

Goodfellow 材料手册

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1	H	氢	Hydrogen	1.00794(7)
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2	He	氦	Helium	4.002602(2)
---	----	---	--------	-------------

3	Li	锂	Lithium	6.941(2)
---	----	---	---------	----------

9	F	氟	Fluorine	18.9984032(5)
---	---	---	----------	---------------

11	Na	钠	Sodium	22.989770(2)
----	----	---	--------	--------------

10	Ne	氖	Neon	20.1797(6)
----	----	---	------	------------

19	K	钾	Potassium	39.0983(1)
----	---	---	-----------	------------

17	Cl	氯	Chlorine	35.453(2)
----	----	---	----------	-----------

37	Rb	铷	Rubidium	85.4678(3)
----	----	---	----------	------------

53	I	碘	Iodine	126.90447(3)
----	---	---	--------	--------------

55	Cs	铯	Caesium	132.90545(2)
----	----	---	---------	--------------

85	At	砹	Astatine	(210)
----	----	---	----------	-------

87	Fr	钫	Francium	(223)
----	----	---	----------	-------

118	Uuo	Ununoctium	(未知)	
-----	-----	------------	------	--

元素周期表

Goodfellow Cambridge Limited

顾特服剑桥有限公司

5	B	硼	Boron	10.811(7)
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7	N	氮	Nitrogen	14.0067(2)
---	---	---	----------	------------

8	O	氧	Oxygen	15.9994(3)
---	---	---	--------	------------

13	Al	铝	Aluminium	26.981538(2)
----	----	---	-----------	--------------

15	P	磷	Phosphorus	30.973761(2)
----	---	---	------------	--------------

16	S	硫	Sulphur	32.065(5)
----	---	---	---------	-----------

31	Ga	镓	Gallium	69.723(1)
----	----	---	---------	-----------

33	As	砷	Arsenic	74.92160(2)
----	----	---	---------	-------------

35	Br	溴	Bromine	79.904(1)
----	----	---	---------	-----------

49	In	铟	Indium	114.818(3)
----	----	---	--------	------------

51	Sb	锑	Antimony	121.760(1)
----	----	---	----------	------------

52	Te	碲	Tellurium	127.60(3)
----	----	---	-----------	-----------

81	Tl	铊	Thallium	204.3833(2)
----	----	---	----------	-------------

83	Bi	铋	Bismuth	208.98038(2)
----	----	---	---------	--------------

84	Po	钋	Polonium	(209)
----	----	---	----------	-------

113	Uut	Ununtrium	(284)	
-----	-----	-----------	-------	--

115	Uup	Ununpentium	(288)	
-----	-----	-------------	-------	--

117	Uus	Ununseptium	(未知)	
-----	-----	-------------	------	--

4	Be	铍	Beryllium	9.012182(3)
---	----	---	-----------	-------------

23	V	钒	Vanadium	50.9415(1)
----	---	---	----------	------------

25	Mn	锰	Manganese	54.938049(9)
----	----	---	-----------	--------------

26	Fe	铁	Iron	55.845(2)
----	----	---	------	-----------

27	Co	钴	Cobalt	58.933200(9)
----	----	---	--------	--------------

28	Ni	镍	Nickel	58.6934(2)
----	----	---	--------	------------

12	Mg	镁	Magnesium	24.3050(6)
----	----	---	-----------	------------

41	Nb	铌	Niobium	92.90638(2)
----	----	---	---------	-------------

43	Tc	锝	Technetium	(98)
----	----	---	------------	------

44	Ru	钌	Ruthenium	101.07(2)
----	----	---	-----------	-----------

46	Pd	钯	Palladium	106.42(1)
----	----	---	-----------	-----------

48	Cd	镉	Cadmium	112.411(8)
----	----	---	---------	------------

20	Ca	钙	Calcium	40.078(4)
----	----	---	---------	-----------

42	Mo	钼	Molybdenum	95.94(2)
----	----	---	------------	----------

45	Rh	铑	Rhodium	102.9055
----	----	---	---------	----------

47	Ag	银	Silver	107.8682(2)
----	----	---	--------	-------------

49	In	铟	Indium	114.818(3)
----	----	---	--------	------------

50	Sn	锡	Tin	118.710(7)
----	----	---	-----	------------

52	Te	碲	Tellurium	127.60(3)
----	----	---	-----------	-----------

54	Xe	氙	Xenon	131.293(6)
----	----	---	-------	------------

38	Sr	锶	Strontium	87.62(1)
----	----	---	-----------	----------

39	Y	钇	Yttrium	88.90585(2)
----	---	---	---------	-------------

72	Hf	铪	Hafnium	178.49(2)
----	----	---	---------	-----------

76	Os	锇	Osmium	190.23(3)
----	----	---	--------	-----------

77	Ir	铱	Iridium	192.217
----	----	---	---------	---------

80	Hg	汞	Mercury	200.59(2)
----	----	---	---------	-----------

82	Pb	铅	Lead	202.72(1)
----	----	---	------	-----------

86	Rn	氡	Radon	(222)
----	----	---	-------	-------

56	Ba	钡	Barium	137.327(7)
----	----	---	--------	------------

73	Ta	钽	Tantalum	180.9479(1)
----	----	---	----------	-------------

75	Re	铼	Rhenium	186.207(1)
----	----	---	---------	------------

78	Pt	铂	Platinum	195.078(2)
----	----	---	----------	------------

79	Au	金	Gold	196.96655(2)
----	----	---	------	--------------

81	Tl	铊	Thallium	204.3833(2)
----	----	---	----------	-------------

82	Pb	铅	Lead	202.72(1)
----	----	---	------	-----------

84	Po	钋	Polonium	(209)
----	----	---	----------	-------

12	Ra	镭	Radium	(226)
----	----	---	--------	-------

105	Ds	𨨩	Darmstadtium	(271)
-----	----	---	--------------	-------

108	Hs	𨨩	Hassium	(269)
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109	Mt	𨨩	Mitnerium	(268)
-----	----	---	-----------	-------

110	Ds	𨨩	Darmstadtium	(271)
-----	----	---	--------------	-------

111	Rg	𨨩	Roentgenium	(272)
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112	Uub	Ununbium	(285)	
-----	-----	----------	-------	--

114	Uuq	Ununquadium	(289)	
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镧系

57	La	镧	Lanthanum	138.9055(2)
----	----	---	-----------	-------------

59	Pr	镨	Praseodymium	140.90765(2)
----	----	---	--------------	--------------

61	Pm	钷	Promethium	(145)
----	----	---	------------	-------

62	Sm	钐	Samarium	150.36(3)
----	----	---	----------	-----------

64	Gd	钆	Gadolinium	157.25(3)
----	----	---	------------	-----------

65	Tb	铽	Terbium	158.92534(2)
----	----	---	---------	--------------

67	Ho	钬	Holmium	164.93032(2)
----	----	---	---------	--------------

71	Lu	镥	Lutetium	174.967(1)
----	----	---	----------	------------

锕系

89	Ac	锕	Actinium	(227)
----	----	---	----------	-------

91	Pa	镤	Protactinium	231.03588(2)
----	----	---	--------------	--------------

93	Np	镎	Neptunium	(237)
----	----	---	-----------	-------

94	Pu	钚	Plutonium	(244)
----	----	---	-----------	-------

96	Cm	锔	Curium	(247)
----	----	---	--------	-------

97	Bk	锫	Berkelium	(247)
----	----	---	-----------	-------

98	Cf	锿	Californium	(251)
----	----	---	-------------	-------

103	Lr	镥	Lawrencium	(262)
-----	----	---	------------	-------

102	No	镎	Nobelium	(259)
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顾特服剑桥有限公司

Goodfellow Cambridge Limited

1946 年创建于英国的顾特服剑桥有限公司 (Goodfellow Cambridge Limited) 以满足世界各地的科学院、大学、研究中心和高科技企业在研究、开发和特殊制造上的特殊材料需求而闻名。我们具备：

- 超过 50,000 种的标准材料，没有最小订量要求，采用迅捷的 48 小时快递服务；
- 超过 60 年的专业经验，可根据客户要求定制各种材料成份、特殊规格和纯度；
- 在世界各种科技文献中，Goodfellow 商标已成为特殊试验材料的一种型号基准。

我们的材料形状可以是千分之一微米厚的膜、成卷的丝、靶材、单晶体或粉末，到大块的锭、棒或条，甚至是特殊的泡沫或蜂窝；大致可以分 6 大类：

高纯材料 PURE ELEMENTS

我们可以提供常见金属的高纯度铝箔、铂丝等，或者是不常见的镓靶、单晶铋、钼膜、铍窗、纳米晶镍等，以及特殊的钴、铀和各种稀土金属等。此外我们也提供各种形态的非金属元素，如各种形式的高纯单晶、多晶硅，钻石、石墨、或碳纤维，几乎是任何在周期表的元素。

合金材料 ALLOYS

我们有已经应用在不同行业的商用产品，如铜合金：康铜、铜铍、锰铜，铁合金：不锈钢、科瓦铁镍钴合金等；或是针对不同应用的合金：磁阻材料、无磁材料、高导磁材料、耐热耐腐蚀材料，如 Havar 高强度无磁合金滤窗、涂钽钨丝、热敏双金属丝等；以及一些特殊的玻璃态合金。

陶瓷材料 和 科技玻璃 CERAMICS & TECHNICAL GLASS

我们有硅化钽超微粉末、氮化硼薄片、硅土、红宝石、石英以及微晶玻璃陶瓷等数百种，以及一些刚从实验室开发出来的最新产品，和各种科技玻璃材料及器件。

聚合材料 POLYMERS

我们提供的聚合物非常广泛，例如醋酸纤维素、氟化乙烯丙烯、酰亚胺和丙烯酸酯等等。

化合物材料 COMPOUNDS

我们可以提供明矾、硼化物、硅化物以及其它化合物。通常化合物是根据订单定制的。

复合材料 COMPOSITES

我们的库存中常备了上百种复合材料，由于复合材料的要求特别，更多是根据订单定制。

《材料手册》中仅列出了所有库存材料的主要规格，我们的网站则提供了更详细的材料规格、物理和化学性能以及价格。如果您需要更多了解我们的产品和材料，订购或者定制任何材料，可通过如下方法获得我们的服务：

- 直接在我们的英文网站 www.goodfellow.com 即时查询在线的材料数据库，请点击每个链接以查看各种材料的详细规格、价格、各种性能数据以及有关资料；
- 我们的中文网站 www.goodfellow.cn (或 www.顾特服.com, www.特殊材料.com, www.科研材料.com, www.精密材料.com)，为您提供快捷的材料分类查找以及联系订购等各种信息；
- 发送电子邮件到 china@goodfellow.com 或直接拨打我们的咨询电话 021 - 6112 1560。

手册指引

Catalog Guide

我们通常提供 PDF 电子版和印刷的《材料手册》，您可以随时从我们的网站 www.goodfellow.cn 下载电子版手册。如果您需要印刷的《材料手册》，您可以登录 www.goodfellow.cn 填写免费索取单（索取号 RT1109），或者通过电邮将您的姓名、职位、机构名称、详细的街道地址、邮政编码和移动电话号码发送至 china@goodfellow.com，我们将在收到信息后 7 个工作日内回复并安排快递手册。

很抱歉，我们的《材料手册》暂时还不能提供全部中文的详细产品说明，幸好产品说明中涉及的英文单词非常少，为此我们在手册的 4-6 页提供了翻译为中文的产品规格及一般说明，以帮助您阅读本手册，另外我们特意撰写了本章节帮助您进一步检索和使用本手册。

我们的《材料手册》第二部份是索引 (Index)，索引是按英文字母顺序排列所有材料的，但是您可以轻易借助熟悉的元素符号来检索材料。例如银 (Ag, 英文名 Silver)，您可以在字母 A 下分别找到纯银和银合金材料。因此我们强烈建议您使用索引并可将其打印出来方便检索。

我们的《材料手册》将材料分为 8 类：高纯材料、合金材料、化合物、金属间物、陶瓷材料、聚合材料、复合材料和玻态合金，每类按材料英文名称的字母顺序罗列我们常备的标准材料规格。

例如：银的元素符号是 Ag，因此您可以在高纯材料 (Metals) 和合金材料 (Alloys) 中的字母 A 下分别找到纯银材料和以银为主（超过 50%，如 Ag70/Au30）的银合金材料。同样，红宝石 (Ruby) 的成分是 $(\text{Al}_2\text{O}_3/\text{Cr}_2\text{O}_3/\text{Si}_2\text{O}_3)$ ，您可以在陶瓷材料 (Ceramic) 中的字母 A 下找到片状、粉末或球形的红宝石材料。又如，聚碳酸酯的英文名是 Polycarbonate (PC)，您可以在聚合材料 (Polymer) 中的字母 P 下找到它各种形态的材料。

在使用 PDF 电子版本的手册时，您还可以借助阅读器的“查找”功能来检索您所要的材料，例如，在“查找 (F)”的对话框中填写 Iron (铁)，您即可多次检索到含有铁的所有材料。

如果您使用《材料手册》仍有困难，请直接拨打我们的咨询电话 021 - 6112 1560。

网站指引

Website Guide

我们尽量在《材料手册》中提供足够详细的信息，但是为了获得更多、更新的材料规格和价格信息，您可以使用我们的中英文网站。

中文网站 www.goodfellow.cn

中文域名：www.顾特服.com, www.特殊材料.com, www.科研材料.com, www.精密材料.com

在我们的中文网站的首页上，您可以从左侧菜单的“产品查询”中找到 8 个分目录：产品索引，高纯材料，合金材料，陶瓷材料，聚合材料，化合物，复合材料。在“高纯材料”中，我们提供了一张以字母顺序排列的元素符号列表，点击任何一个元素，您将看到该元素各种高纯规格。而在“合金材料”中我们提供了一张同样的元素列表，点击任何一个元素，您将看到以该元素为主（超过 50%，例如 Ag70/Au30）的合金材料。其它材料也是以其英文名字的字母顺序排列的，例如碳化硼 (B_4C) 的英文名是 Boron Carbon，您可以在“陶瓷材料”中的 B 字母下找到该材料的规格种类。

顾特服剑桥有限公司 大中华区

上海南京西路 1266 号恒隆广场 39 楼

Tel: 021 6112 1560 www.goodfellow.cn



您也可以直接在网站的首页，“产品查询”的首页“产品索引”中直接使用搜索栏。我们采用了 Google 的搜索技术，只要您任意输入您所需的材料中文或者英文名称，或者元素符号，就可以查询到我们有关材料种类、规格和信息。

在中文网站的“订购信息”中，我们提供了更多介绍“如何查询”，同时您还可以查看我们的“技术标准”，以及“如何订购”和“商务说明”。

我们的中文网站提供了我们产品的有关种类和规格范围、以及中文的便利检索，同时我们还提供了大量的说明信息，供您了解我们的公司，如何订购产品，以及有关新材料的信息。如果您需要进一步了解材料的详细性能和价格，您需要即时查询我们英文网站的在线数据库。

英文网站 www.goodfellow.com

由于我们的英文网站服务器位于英国，因此您会发现运行速度比较慢，有时反应速度约为 1-3 秒，请您耐心操作，重复点击将会延缓反应速度。我们已经采用了当前先进的技术，然而非常遗憾，欧洲和中国之间的数据光缆连接目前只能支持这样的运行速度。

打开英文网站的首页，建议您直接进入菜单中的 "Catalogue" 栏目，您可以在左侧的搜索栏直接填写材料的英文名或元素符号，填写时请您缓慢输入，您会发现搜索栏会出现自动完成的提示。在您选择了合适的材料类别后，网站将在 2-3 秒内列出有关材料搜索结果，期间请您不要进行任何操作。

在搜索结果列出后，指向浅蓝色字符时会出现一个提示问号，请您点击浅蓝色的产品名称，您将看到详细的产品规格，不同尺寸和数量的价格，点击任何浅蓝色的价格，您可以知道该材料在我们库存中的状态。

您还应注意价格信息下面的两个重要内容，一个是公差信息 "Tolerance"，另一个是技术参数 "Technical Data"，点击浅蓝色的材料名称，您会看到该材料的多种技术数据，如：物理参数，力学性能，化学性能，电磁性能和热学性能等等。

除了在搜索栏中直接搜索外，我们也同样提供了详尽的产品索引，点击左侧菜单中的 "Alphabetic list of Materials"，我们所有材料种类将按英文名称的字母顺序罗列。点击淡蓝色的材料名称将显示该材料的所有产品规格搜索结果清单。

您也可以直接从我们的英文网站上下载 PDF 电子版的分类材料手册，其中还包括价格信息。但是其中的价格信息可能不是最近的，只能供您参考，如果您需要任何材料，请您直接联系我们。

您可以在英文网站的菜单 Contact Us / Offices 中找到我们在中国的联系方法。**所有中文或来自中国的咨询电邮均将转到我们在上海的办公室处理，因此建议您直接联系我们以减少不必要的延误：**

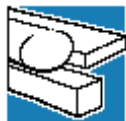
顾特服剑桥有限公司 大中华区办公室

上海南京西路 1266 号恒隆广场 39 楼 邮编 200040

Fl. 39, Plaza 66, 1266 Nanjing Road West, Shanghai

Email: china@goodfellow.com Tel: +86 21 6112 1560

产品规格 Product Description



Bar 条

长而直，截面为长方形、正方形或椭圆
的材料

公差:

截面尺寸: $\leq 10\text{mm}$ $\pm 10\%$
 $> 10\text{mm}$ $\pm 1\text{mm}$
长度: $< 100\text{mm}$ $\pm 1\text{mm}$
 $\geq 100\text{mm}$ $+5\% / -1\%$



Chopped Fiber 短纤维

被切割到短长度的纤维

公差:

纤维直径: $\pm 25\%$
股数: $\pm 10\%$
号数: $\pm 10\%$
长度: $+5\% / -1\%$



Fabric 织物

经纱和纬纱以一定角度交织而成的纺织
织品 (又见无纺布)

公差:

织物厚度: $\pm 25\%$
支数: $\pm 10\%$
号数: $\pm 10\%$
线尺寸: $< 100\text{mm}$ $\pm 5\text{mm}$
 $\geq 100\text{mm}$ $\pm 5\%$



Fiber 纤维

包含数根大致平行的单独细丝的纱或麻,
细丝的直径通常比单纤维更细

公差:

纤维直径: $\pm 25\%$
股数: $\pm 10\%$
号数: $\pm 10\%$
长度: $+5\% / -1\%$



Film 膜

厚度小于 0.5 毫米的非金属片状材料

公差:

厚度: $\pm 20\%$
线尺寸: $< 100\text{mm}$ $\pm 1\text{mm}$
 $\geq 100\text{mm}$ $+2\% / -1\%$



Flake 屑片

不规则形状的片状材料, 可以定义最大个
体尺寸, 但是个体之间尺寸可以差异很大

公差:

仅有名义尺寸



Foam 泡沫

一种低密度、由空隙和连续性联结组成的
渗透性结构, 具有高表面-体积比和高强
度-重量比, 仅有名义尺寸



Foil 箔

纯金属或合金薄片; 由于脆而易碎, 有些
箔的一面附着了丙烯酸或聚酯衬托, 关于
衬托另具详述

不透光箔

不透光箔无可见针眼, 非不透光箔则通常有针眼。除非另
有说明, 0.025 毫米或更厚的箔均为不透光箔; 薄于 0.025
毫米的箔均为透光箔, 如果要求做到也不透光, 在可行的
情况下需收取额外费用

公差:

厚度: $< 0.010\text{mm}$ $\pm 25\%$
 $0.010 - 0.050\text{mm}$ $\pm 15\%$
 $> 0.050\text{mm}$ $\pm 10\%$
线尺寸: $< 100\text{mm}$ $\pm 1\text{mm}$
 $\geq 100\text{mm}$ $+2\% / -1\%$



Granule 颗粒

形状、尺寸大致规则的小球, 仅有名义尺
寸



Honeycomb 蜂窝结构

与天然蜂窝相似的细胞状结构, 仅有名义
尺寸



Insulated Wire 绝缘线

具有绝缘护套的一束或多束有弹性的金
属或合金绳

公差:

线直径: $\pm 10\%$
长度: $+5\% / -1\%$
绝缘厚度: 无精度



Laminate 层压片

用加热、压力，也可能有粘合剂贴合的多层材料

公差:

厚度: $\pm 10\%$

线尺寸: $\leq 100\text{mm}$ $\pm 1\text{mm}$
 $> 100\text{mm}$ $+2\% / -1\%$



Liquid 液体

间与气体和固体之间的物质形态，有确定的体积，外形却取决于容器的形状



Lump 块

无规定形状的固体材料
 仅有名义尺寸



Mesh 网

网可由线编制或电淀积形成，但均只有名义孔径

公差:

厚度: 编制: $\pm 10\%$

电淀积: $\pm 20\%$

线直径: $\pm 10\%$

线尺寸: $< 100\text{mm}$ $\pm 1\text{mm}$
 $\geq 100\text{mm}$ $+2\% / -1\%$



Metallized Film 金属喷涂膜

涂有一层金属的膜，金属层厚度以单位面积的电阻来定义

公差:

厚度: $\pm 10\%$

线尺寸: $< 100\text{mm}$ $\pm 1\text{mm}$

$\geq 100\text{mm}$ $+2\% / -1\%$



Microfoil 微小箔

附着在永久性衬托上的极薄的金属或合金薄片，衬托不可完整从微小箔上分离

公差:

厚度: $\pm 30\%$

尺寸: $\pm 20\%$



Powder 粉末

在大致确定尺寸范围内的小粒子，除非特别说明，粒子的尺寸、尺寸分布和外形仅为指示性的



Microleaf 微小页

附着在可脱离性衬托上的极薄的金属薄片，但是太脆的材料不可制成微小页

公差:

厚度: $\pm 30\%$

尺寸: $\pm 20\%$



Monofilament 单纤维

单股的非金属一种材料

公差:

直径: $\pm 20\%$

长度: $+5\% / -1\%$



Non-Woven Fabric 无纺布

无纺布不是采用纺织或编制方法交织纺织或纤维获得的，鉴于其通透性，仅有名义尺寸

公差:

线尺寸: $< 100\text{mm}$ $\pm 5\text{mm}$

$\geq 100\text{mm}$ $\pm 5\%$



Rod 棒

长而直的圆截面材料

公差:

直径: $< 10\text{mm}$ $\pm 10\%$

聚合物 $+20\% / -10\%$

陶瓷 $+20\% / -10\%$

$> 10\text{mm}$ $\pm 5\%$

聚合物 $+20\% / -10\%$

陶瓷 $20\% / -10\%$

长度:

$< 100\text{mm}$: $\pm 1\text{mm}$

$\geq 100\text{mm}$: $+5\% / -1\%$



Sheet 片

厚度大于 0.5 毫米的扁平材料

公差:

厚度: $\pm 10\%$

陶瓷 $\pm 20\%$

复合材料 $\pm 20\%$

聚合物 $\pm 20\%$

线尺寸:

$< 100\text{mm}$ $\pm 1\text{mm}$

$\geq 100\text{mm}$ $+2\% / -1\%$



Single Crystal 单一晶体

以指定方向、尺寸和表面要求生长的单晶体材料，可含有杂质，一般按订单定制

公差:

方向: $\pm 3^\circ$
尺寸: 无精度



Sphere 球体

精确加工而成的小球

公差:

直径: $\pm 5\%$



Sputtering Target 溅射靶材

用作溅射的高纯度材料，溅射是一种冷蒸发过程，由离子轰击将原子从靶子的表面激发出来

公差:

厚度: $\pm 0.5\text{mm}$
尺寸: $\pm 0.5\text{mm}$



Wire 线

单股或多股弹性纯金属或合金绳

公差:

线直径: $\pm 10\%$
长度: $+5\% / -1\%$



Tube 管

环状截面的长而空心的材料，大多管子都是直的，除了那些弹性聚合物制成的管子

公差:

外径: $\leq 2\text{mm}$ $\pm 0.05\text{mm}$
聚合物 $\pm 10\%$
陶瓷 $\pm 10\%$

$\leq 5\text{mm}$ $\pm 0.1\text{mm}$
聚合物 $\pm 10\%$
陶瓷 $\pm 10\%$

$> 5\text{mm}$ $\pm 5\%$
聚合物 $\pm 10\%$
陶瓷 $\pm 10\%$

壁厚: $\pm 10\%$
聚合物 $\pm 20\%$
陶瓷 $\pm 20\%$

长度: $< 100\text{mm}$ $\pm 1\text{mm}$
 $\geq 100\text{mm}$ $+5\% / -1\%$

注:

以上只是我们为了不同类型客户的方便而制定的宽松的标准公差，实际上我们大多产品的实际尺寸准确度均可高于该标准公差。

我们可以为客户定制以上形状的不同尺寸的产品，并可以达到不同等级的公差标准。

一般说明

General Information

成份分析 Analyses

在典型的成份分析中，所有的数据都是基于各种成份重量以百万分之一（ppm）为单位，除非另有说明。需要强调的是这些数据是典型的，而非保证提供的材料都与成份分析数据完全一致。合金成份的比例通常以重量计算，但是玻璃质合金和稀有的地磁材料则按惯例以原子量计算。

纯度是与所有金属杂质对应的。典型的成份分析有时也额外提供非金属杂质的信息。

对于手册中标明高纯度的材料，将免费提供金属杂质的实际分析。也可以提供其它材料的实际分析，但需就采用的试验和样品进行收费。

如果您需要成份分析，请告知您是只需要金属杂质分析还是需要金属和气态分析。成份分析会延迟订单的发货时间。

衬托基材 Supports

由于一些箔的材料非常脆，需要在箔的一面附上衬托基材您和我们才能操作。根据材料特性可在两种衬托基材中选择：通常使用临时的衬托，但当材料脆而易碎（例如铬或锰）时则只能使用永久的衬托。

临时的衬托是 0.2 毫米厚的丙烯酸材料，可以用丙酮溶解它来移除。

永久的衬托是 0.125 毫米厚的聚酯材料，被热压到箔表面，除非损坏箔否则无法移除衬托。

微小箔是附于 3.5 微米厚永久的聚酯衬托上，除非损坏微小箔否则无法移除衬托。

微小页是附于一种特殊处理过的衬托上，以便使金属膜与衬托分离。供应微小页时将提供详细的移除操作指示。

不透光箔 Light Tight Foil

不透光（Light Tight, LT）箔无可见针眼，非不透光（Non-light Tight, NLT）箔则通常有针眼。除非另有说明，0.025 毫米或更厚的箔均为不透光箔；薄于 0.025 毫米的箔均一般为非不透光箔，如果也要求做到不透光，在可行的情况下将收取额外费用。

真空气密 Vacuum Tight

真空气密是指以灵敏度为 10^{-9} atm-cm³.s⁻¹ 的氦质谱仪探测不到泄漏。

连续长度 Continuous Lengths

如果需要确定长度的材料，请在订单中说明。除非特别指明，我们供应的材料可能多于一种的长度。

技术数据和信息

Technical Data and Information

手册中所有的数据都是指南性的，我们尽力保证信息能够准确，但是不担保信息的完整性和准确性。

公差 Tolerances

有关我们公差的标准请见我们的网站。通常我们可以满足其它公差的要求，但是可能产生额外费用。请在订单中说明重要的特殊要求，包括特殊公差、尺寸的一致性和其它诸如倒角、包装标签等等。请准确描述你的要求以便我们充分满足您的要求。

销售说明

Order Information

价格 Prices

我们产品的价格通常是对于一定尺寸和数量材料的总价，价格包括了运输的费用，除非另行指明为“特殊报价”。因为产品价格会随时调整以及可能出现的其它费用，未及时付款的订单价格以最后发票为准。

通常采用 UPS 或 FEDEX 运输，但是也可因订购的产品不同而采用其它运输方式。由于客户特别的要求，可能产生其它费用。所有的订单都只在一次向一个地址发送货物，如果客户需要分批运输，将产生额外运输费用。客户要求特别的衬托、公差和分析要求（Supports, Tolerances, Special Analysis）都将产生额外收费，但标明“High Purity”（高纯度）材料的成份分析报告是免费的。

付款 Payments

我们的付款条件是在收到预付的全额货款后发货。特殊的付款条件需要在确定订单时书面确认。如果出现逾期付款，我们将保留推迟发货的权利。我们接受如下信用卡付款：万事达卡 (MasterCard)，维萨卡 (Visa) 和美国运通卡 (American Express)。

中国各银行发行的双币种信用卡通常都有 MasterCard 或 Visa 标记，可以用来进行美元付款，我们不会加收任何手续费。如果采用电汇付款，购买人须支付境内外全部电汇费用。

搬运材料 Materials Handling

许多材料异常易碎，需要格外小心地搬运。小心搬运特别易碎的微小箔、微小页和薄而昂贵的材料。

所有的产品都会小心地包装以确保安全运输到您的地址。在运输的外包装被拆开后，我们将不再承担因不当搬运而造成损坏的责任。

运输 Shipments

通常在收到货款后 48 小时内采用 UPS 或 FEDEX 发运货物。手册中有些物品有运输限制的，如果需要再次转运这些物品，购买人则需自行予以考虑。

出口限制 Export Restrictions

各国政府要求运往一些地点的部分物品需要取得出口许可证。如果您订购的物品需要《出口许可证》或《最终用户声明》，我们在接到您的订单时将通知您。

所有产品运到中国（香港特别行政区除外）均需要提供《最终用户声明》，某些特定的材料需要英国政府的《出口许可证》，或购买人须自行申请或持有中国政府的《进口许可证》。

意外 Contingency

只有事先确认我们才接受退货。当我们同意退货时，我们将提供一个退货编号并告知退货的方法。我们不接受没有有效退货编号的退货。

所有的产品都是精心地制造和包装的，并在发运前仔细检查。如果有短装，错运或质量缺陷，请在签收快递货物后当天给我们书面的投诉。请保留所有的包装以便我们核对。我们对于上述投诉所承担的责任方式为免费更换货物或按发票金额给予退款。

合约 Contract

所有的订单、合同和报价都是基于我们的标准销售条款。产品手册和我们网站提供的信息和描述只是说明性的，不构成任何报价或合同的组成部分。订单或合同除非特别指明，均适用英国法律。

索引 Index

本手册所列出的材料种类均为常备库存，我们可以为特殊要求进行定制。

高纯材料 Metals

Ag 银	54	Mn 锰	38
Al 铝	8	Mo 钼	39
As 砷	12	Na 钠	57
Au 金	28	Nb 铌	46
B 硼	13	Nd 钕	41
Ba 钡	12	Ni 镍	41
Be 铍	12	Ni Nanocrystalline 纳米晶镍	45
Bi 铋	13	Os 铱	47
C 碳	15	Pb 铅	36
C - HOPG 高定向热解石墨	17	Pd 钯	47
C - 金刚石	16	Pr 镨	51
C - 纳米碳材	17	Pt 铂	48
C - Vitreous	17	Rb 铷	53
Ca 钙	15	Re 铼	52
Cd 镉	14	Rh 铑	52
Ce 铈	17	Ru 钌	53
Co 钴	19	Sb 锑	11
Cr 铬	18	Sc 钪	53
Cs 铯	18	Se 硒	54
Cu 铜	20	Si 硅	54
Cu - OFHC 无氧高导电铜	25	Sm 钐	53
Dy 镝	26	Sn 锡	60
Er 铒	26	Ta 钽	57
Eu 铕	27	Tb 铽	60
Fe 铁	33	Te 碲	60
Ga 镓	27	Th 钍	60
Hf 铪	30	Ti 钛	62
Hg 汞	39	Tl 铊	60
Ho 钬	31	Tm 铥	60
In 铟	31	U 铀	67
Ir 铱	32	V 钒	67
K 钾	51	W 钨	64
La 镧	35	Y 钇	68
Li 锂	37	Yb 镱	68
Lu 镥	37	Zn 锌	69
Mg 镁	37	Zr 锆	70

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Ag70/Au30	72	Bi50/Pb25/Cd12.5/Sn12.5	
Ag70/Pd30	72	(Woods Metal) 伍德合金	75
Ag72/Cu28	72	Bi50/Pb28/Sn22 (Roses Metal)	75
Ag92.5/Cu7.5	72	Bi55.5/Pb44.5	75
Ag97/Zr2/Cu1	72	Bi57/In26/Sn17	75
Ag99/Sb1	72	Co40/Cr20/Fe15/Ni15/Mo7/Mn2/C/Be	75
Al50/Fe50	72	Co42.5/Cr20/Ni13/Fe/W/Mo/Mn	
Al50/Ni50	72	(Havar) 哈瓦无磁合金	75
Al65.7/Si34.3	72	Co49/Fe49/V2 (Permendur 49)	
Al75/Si25	72	坡明德-铁钴磁性合金	75
Al75/Ti25 (Atomic%)	72	Co50/Cr20/W15/Ni10/Fe3/Mn2	76
Al88/Si12	72	Co50/Fe50 (Atomic%)	76
Al92.1/Mg7.9	72	Co50/W50	76
Al93/Cu5.3/Fe0.7/Si0.4/Pb0.3/B		Co70/Cr30	76
(Aluminium Alloy 2011)	72	Co79/Al21	76
Al94.3/Ni5.7	72	Co80/Fe20	76
Al95/Cu4/Mg1 (Dural/Hiduminium		Co86/Cr14	76
/Avional) 硬铝/希杜铝合金	73	Co90/Al10	76
Al95/Li2.5/Cu1.5/Mg1	73	Co94/Ti6	76
Al95/Mg5	73	Cr50/Ni50	76
Al96.45/Mg2.6/Mn0.8/Cr0.15	73	Cr70/Ti30	76
Al96/Si4	73	Cr80/Al20	76
Al97.4/Si1/Mg0.9/Mn0.7		Cu45/Zn43/Ni10/Pb2	76
(Aluminum 6082 TF Alloy)	73	Cu55/Ni45 (Constantan) 康铜	76
Al97.5/Mg2.5	73	Cu56.4/Ti43.6	77
Al97.5/Si1.0/Mg0.8/Mn0.7	73	Cu58/Zn39/Pb3 (Leaded Brass)	77
Al97/Mg3	73	Cu62/Ni18/Zn20 (Awa / Silmet / Spedex)	77
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Al98.5/Ni1.5	74	Cu64/Ni12/Zn24	78
Al98/Mg1/Si1	74	Cu65/Ni18/Zn17	78
Al98/Mn2 (Atomic%)	74	Cu70/Fe30	78
Al98/Si2	74	Cu70/Ni30	78
Al99.35/Mn0.65	74	Cu70/Ti30	78
Al99.5/Co0.5	74	Cu70/Zn30 (Brass / Boltomet570) 黄铜	79
Al99.7/Mn0.3	74	Cu70/Zr30	79
Al99.9/Co0.1	74	Cu75/Pt25 (Atomic%)	79
Al99/Mg0.5/Si0.5	74	Cu80/Pb20	79
Al99/Si1	74	Cu80/Sn20	79
Au75/Pd25	74	Cu85/Si15	79
Au80/Sn20	74	Cu85/Zn15 (Boltomet514) 仿饰金	79
Au82/Ni18 (Nioro)	75	Cu86/Mn12/Ni2 (Manganin) 锰铜	79
Au88/Ge12	75	Cu87/Zr13	79
Au93/Pd7	75	Cu89/Sn11(Bronze) 青铜	79
Au98/Sn2	75	Cu90/Ag10	79
Au99.93/Fe0.07 (Atomic%)	75	Cu90/Ti10	80
Au99/Sb	75	Cu94/Sn6 (Phosphor Bronze) 磷青铜	80

Cu95/Ag5	80	Mg93/Al6/Zn1 (AZ 61A)	90
Cu95/Au5	80	Mg96/Al3/Zn1	90
Cu97/Co2.5/Be0.5	80	Mn70/Ni30	90
Cu98/Ag2	80	Mn88/Ni12	90
Cu98/Be2 (Ampcoloy/Berylco/Mallory)	80	Mo52.5/Re47.5	90
Cu98.9/Cr1.0/Zr0.1	81	Mo80/Ti20	90
Cu99.5/Te0.5	81	Mo90/Ti10	90
CuSn	81	Mo99/Ti0.5/Zr0.1 (TZM) 高温合金	90
Fe50/Ni50	81	Nb/Ti+Cu 超导复合材料	91
Fe52/Ni48(Audiolloy) 铁镍透磁合金	81	Nb52/Ti48	91
Fe54/Ni29/Co17(Glass Sealing) 密封合金	81	Nb56/Ti44	91
Fe55/Ni45	82	Nb75/Sn25 (Atomic%)	91
Fe58/Ni42	82	Nb99/Zr1	91
Fe60/Ti40	82	Ni32.5/Cr21/Fe (Incoloy 800) 耐热合金	91
Fe61/Ni39	82	Ni39.5/Fe32/Cr22/Mo3/Cu2/Ti (Alloy825)	91
Fe64/Mo36	82	Ni49.5/Cr22/Fe18/Mo9/Co1/W	
Fe64/Ni36 (Invar) 因瓦合金/不胀钢	82	(Hastelloy X) 哈斯特洛伊耐蚀合金	91
Fe70/Cr25/Al5 (Aluchrom Alloy)	83	Ni50/Mn28/Ga22 磁性记忆合金	91
Fe72.8/Cr22/Al5/Y0.1/Zr0.1 (Fecralloy)	83	Ni52/Fe48	92
Fe/Cr15/Ni7/Mo2.25 不锈钢 15-7PH	84	Ni53/Cr20/Co18/Ti2.5/Al1.5/Fe1.5	
Fe/Cr17/Ni4 不锈钢-17-4PH	84	(Nimonic alloy 90)	92
Fe/Cr17/Ni7 不锈钢-17-7PH	84	Ni53/Fe19/Cr19/Nb/Mo/Ti (Inconel 718)	92
Fe81/Cr16/Al3	84	Ni55/Ti45 (Nitinol) 无磁合金	92
Fe81/Cr16/Mo3	84	Ni57/Cr22/Co12/Mo9 (Inconel 617)	92
Fe83/Si17	84	Ni57/Mo17/Cr16/Fe/W/Mn	
Fe90/Cr9/Mo1	84	(Hastelloy C 276) 耐蚀合金	92
Fe91/Si9	84	Ni58/Cr19/Co14/Mo/Ti/Al/Fe (Waspaloy)	92
Fe98/C1.1/Cr0.4/Mn0.3/Si0.2 (SilverSteel)	84	Ni59/Al41	93
Fe/Cr18/Ni8 不锈钢 AISI 302	85	Ni60/Ti40	93
Fe/Cr18/Ni9/Mn/Si 不锈钢 AISI 303	85	Ni61/Cr22/Mo9/Fe5 (Inconel 625)	93
Fe/Cr18/Ni10 不锈钢 AISI 304	85	Ni62/Cr22/W14/Mo2 (Haynes 230)	93
Fe/Cr25/Ni20 不锈钢 AISI 310	86	Ni62/Mo28/Fe5/Cr/Mn/Si (Hastelloy B)	93
Fe/Cr18/Ni10 不锈钢 AISI 304L	86	Ni62/Si38	93
Fe/Cr18/Ni10/Mo3 不锈钢 AISI 316	86	Ni63/Cu30/Al3/Fe2/Mn1.5/Ti0.5	
Fe/Cr18/Ni9/Ti 不锈钢 AISI 321	88	(Monel K - 500) 蒙乃尔合金	93
Fe/Cr12.5 不锈钢 AISI 410	89	Ni65/Cu33/Fe2 (Monel alloy 400)	93
Fe/Cr18/Ni10/Nb 不锈钢 AISI 347	89	Ni65/Mo28.5/Cr1.5/Fe1.5/(Co+Mn+W) 3.5	
Fe81/Cr17/Mn/Si/C/S/P 不锈钢 AISI 430	89	(Hastelloy B3) 耐蚀合金	94
Fe86.7/Cr13.0/C0.3 不锈钢 AISI 420	89	Ni68/Mo28/Fe2/Cr1/Co1 (Hastelloy B21)	94
Ga62/In22/Sn16	89	Ni70/Cu30	94
Ga68.5/In21.5/Sn10	89	Ni70/Fe30	94
Ga75.5/In24.5	89	Ni70/Ti30	94
Hg29/In71	89	Ni70/Zr30	94
In50/Sn50	89	Ni72/Cr16/Fe8 (Inconel 600)	94
In90/Sn10	90	Ni74/Cr15/Fe7/Ti/Al/Nb (Inconel 750)	95
In95/Sn5	90	Ni75/Cr20/Al2.5/Cu2.5 (Evanohm)	
In97/Ag3	90	伊万欧姆镍铬电阻合金	95
		Ni75/Mn25	95

Ni77/Fe14/Cu5/Mo4 (Permalloy C)	95	Ti77.5/Mo12/Zr6/Sn4.5 (Ti Alloy Beta 3)	102
Ni79/Al21	96	Ti78.8/Mo15/Nb3/Al3/Si0.2	102
Ni80/Cr20	96	Ti78/Al22	102
Ni80/Fe15/Mo5 高导磁合金	96	Ti80/Cr20	102
Ni80/Fe15.5/Mo4.5	97	Ti84/Mo16	102
Ni80/Fe20 (Nichrome V/Tophet A)	97	Ti88/Al12	102
Ni80/Mo20	97	Ti90/Al6/V4	102
Ni81/Fe19	97	Ti90/V10	103
Ni84/Mo16	97	Ti92/Ga8	103
Ni85/B15	97	Ti92/Si8	103
Ni90/Cr10 (Chromel) T1 热电偶	97	Ti94.5/Al3/V2.5	103
Ni90/Ti10	98	Ti99.85/Pd0.15	103
Ni92/Mn8	98	V75/Cr25	103
Ni93/V7	98	W50/Co50	103
Ni95/(Al+Mn+Si)5 (Alumel) T2 热电偶	98	W60/Cu40	103
Ni97.5/Be1.95/Ti0.5	99	W70/Ni20/Fe10	103
Pb75/Sn25	99	W72/Cu28 (Copelmet)	103
Pb95/Sb5 (Antimonial Lead) 硬铅	99	W74/Re26	103
Pb96/Sb4	99	W75/Re25	103
Pb99/Se1	99	W80/Cu20	104
Pd60/Cu40	99	W90/Ag10	104
Pd70/Ag30	99	W90/Cr10	104
Pd75/Ag25	99	W95/Ni3.5/Fe1.5	104
Pd77/Ag23	99	W95/Re5	104
Pd94/Cr6	99	W95/Ti5	104
Pt60/Rh40	99	W97/Re3	104
Pt70/Ir30	99	W98/Th2	105
Pt70/Rh30	100	W99.4/Th0.6	105
Pt75/Ir25	100	W99/Th1	105
Pt80/Ir20	100	Zn50/Al50	105
Pt83/Rh17	100	Zn90/Ni10	105
Pt87/Rh13	100	Zn95/Cu5	105
Pt90/Ir10	100	Zr56.5/V43.5	105
Pt90/Rh10	101	Zr70/Ni30	105
Pt92/W8	101	Zr90/Al10	105
Pt94/Rh6	101	玻璃态合金	
Si70/Ge30	101	Co66/Si15/B14/Fe4/Ni1	145
Sn50/Pb50	101	Co69/B12/Si12/Fe4/Mo2/Ni1	145
Sn60/Pb39/Sb1	101	Co70/Si+B23/Mn5/Fe+Mo2	145
Sn60/Pb40	101	Co78/Si9/Mo5/Fe4/B2/Nb2	145
Sn95/Sb5	101	Cu99.96/Fe0.04	145
Sn96/Ag4	101	Fe40/Ni38/B18/Mo4	145
Ta90/W10	101	Fe77.5/B15/Si7.5	145
Ta97.5/W2.5	102	Fe78/B13/Si9	145
Ti50/Fe50	102	Fe79/B16/Si5	145
Ti65/Al35	102	Fe81/B13.5/Si3.5/C2	145
Ti69/V15/Cr13/Al3	102	Ni40/Fe40/Si+B 19/Mo 1-2	145
Ti75/Cu25	102	Ni78/B14/Si8	145

化合物材料 和 金属间物 Compounds & Intermetallics

AgCl	108	Mo2C, MoB2, MoSi2	107
AlBSi, Al4C3, AlN	106	NaCl	108
Al3Ni, Al3Ni2	111	Nb2O5	106
As2Te3	106	NbN, NbB2, NbC, NbSi2	108
B4C, BN	106	NiAl	111
BaTiO3	106	NiO	108
Bi2Te3	106	PbSe	107
CaF2, CaB6, CaH2, CaTiO3	106	Sb2Te3	106
CoB	106	SiO, SiC, Si3N4	108
Cr3C2, CrB2, Cr2N, CrSi2	106	SnO, SnO2	108
CsI, CsVO3, Cs2MoO4	106	SrTiO3	108
CuO, CuSe, Cu2Te	106	TaC, TaB2, TaSi2	108
FeB, Fe2B, FeSi	107	TiC, TiAl3, TiB2	108
Gd2O3	107	TiH2, TiN, TiSi2, (TiSiC2+TiSiC)	109
HfC, HfB2, HfH2	107	VC, VN, V2O5, VSi2	109
In2O3, (In2O3 90/ SnO2 10)	107	WB, WC, WS2, WTe2, WSi2	109
LaF3, LaB6, La2O3	107	WTiC2, WO3	109
LiF	107	Zn3As2, ZnO, ZnSe, Zns	109
MgF2, MgO	107	ZrB2	109
MnSi2	107	ZrC, ZrH2, ZrN	110

陶瓷材料 Ceramics

Al2O3	112	Si3N4/AlN/Al2O3 (Sialon) 赛隆	118
Al2O3/Cr2O3/SiO2 - Ruby 红宝石	116	SiO2 / Quartz 石英	117/115
Al2O3-62/SiO2-24/B2O3-14	113	SiO2-46/Al2O3-16/MgO-17/K2O-10/B2O3-7	
Al2O3-70/SiO2-28/B2O3-2	113	可加工玻璃陶瓷	115
Al2O3-80/SiO-20	113	SiO2-50/ZrSiO4-40/Al2O3-10	115
Al2O3-96/SiO2-4 (Saffil)	113	SiO2 53/Al2O3 47	113
Al2O3 99.9 - Sapphire 蓝宝石	117	SiO2 57/Al2O3 36/CaO/MgO/BaO 玻璃	113
AlN (Shapal) 氮化铝 (可加工)	113-114	TiB2 二硼化钛耐热导电陶瓷	118
B4C 碳化硼	114	TiO2 氧化钛	118
BeO	114	WC 94/Co 6	118
BN 氮化硼	114	Y2O3 氧化钇	119
MgO 氧化镁	115	ZnO 98/Al2O3 2	119
MgSiO3 硅酸镁	115	ZrO2 氧化锆	119
Muscovite Mica 白云母/硅铝酸钾	115	ZrO2/MgO stabilized with Mg	119
Si3N4 氮化硅	118	ZrO2/Y2O3 stabilized with Y	119
SiC 碳化硅	118		

聚合材料 Polymers

Acrylonitrile-Methylacrylate copolymer 丙烯腈-甲基丙烯酸酯抗冲共聚物 (Barex)	120
Cellulose (Regenerated) (再生) 纤维素	120
Cellulose Acetate 醋酸纤维素 (CA)	120
Cellulose Acetate Butyrate 乙酸丁酸纤维素 (CAB)	120
Cyclo-olefin copolymer 环烯共聚物 (Topas)	120
Ethylene-Chlorotrifluoroethylene copolymer 乙烯-三氟氯乙烯共聚物 (E-CTFE)	120
Ethylene-Tetrafluoroethylene Copolymer 乙烯-四氟乙烯共聚物 (ETFE)	120
Fluorinated Ethylene Propylene Copolymer 氟化的乙烯丙烯共聚物 (FEP)	121
Hexafluoropropylene-vinylidene fluoride copolymer (FKM 氟橡胶)	
六氟丙烯-偏氟乙烯共聚物	121
Polyacrylamide/acrylate 聚丙烯酰胺/丙烯酸酯 (水凝胶)	121
Polyacrylonitrile 聚丙烯腈 (PAN)	121
Polyacrylonitrile-butadiene-styrene 聚丙烯腈-丁二烯-苯乙烯 (ABS)	121
Polyamide - Nylon 聚酰胺-尼龙 (PA 4,6 / PA 6 / PA 6,6 / PA 11 / PA 12)	121-123
Polyamide/imide 聚酰胺/酰亚胺共聚物 (PAI)	123
Polyaramid (Polymetaphenylene isophthalamide) 聚芳酰胺 (Nomex)	
(聚间苯二甲酸间苯二胺酰胺)	124
Polyaramid (Polyparaphenylene terephthalamide) 聚芳酰胺 (Kevlar 凯夫拉)	
(聚对苯二甲酸对苯二胺酰胺)	124
Polybenzimidazole 聚苯并咪唑 (PBI)	125
Polybutylene terephthalate 聚对苯二甲酸丁二醇酯 (PBT / 30% GFR 玻璃纤维增强)	125
Polycarbonate 聚碳酸酯(PC / Conductive 具导电性 / 30% CFR 碳纤维增强)	125-126
Polychlorotrifluoroethylene 聚三氟氯乙烯 (PCTFE)	126
Polyetheretherketone 聚醚醚酮 (PEEK)	126
Polyetherimide 聚醚酰亚胺 (PEI)	127
Polyethersulfone 聚醚砜 (PES)	127
Polyethylene 聚乙烯 (Carbon filled 碳填充 / HDPE 高密度 / UHMW 超高分子量)	128-129
Polyethylene naphthalate (PEN) 聚萘二甲酸乙二醇酯 (PEN)	130
Polyethylene terephthalate 聚对苯二甲酸乙二醇酯 (Polyester, PET, PETP)	130
Polyhydroxyalkanoate - Biopolymer 聚羟基脂肪酸酯 (PHA)	131
Polyhydroxybutyrate - Biopolymer 聚羟基丁酯-生物聚合物 (PHB)	131
Polyhydroxybutyrate/Polyhydroxyvalerate - Biopolymer (PHB98/PHV2, 92/8, 88/12)	
聚羟基丁酯/聚羟基戊酯 - 生物聚合物	132
Polyimide 聚酰亚胺 (PI)	132
Poly L lactic acid - Biopolymer 聚 L 乳酸 (PLLA)	121
Polymethylmethacrylate 聚甲基丙烯酸甲酯 (PMMA, Acrylic)	133
Polymethylpentene 聚甲基戊烯 (TPX)	134
Polyoxymethylene - Copolymer 聚甲醛-共聚物 (Acetal - Copolymer POMC)	134
Polyoxymethylene - Homopolymer 聚甲醛-均聚物 (Acetal - Homopolymer POMH)	135
Polyphenyleneoxide 聚苯醚 (聚氧化二甲苯) (PPO modified 改性, PPE modified 改性)	135
Polyphenylenesulfide 聚苯硫醚 (PPS - 20% GFR 玻纤增强 / PPS - 40% GFR 玻纤增强)	135

Polyphenylsulfone 聚苯砜 (PPSu)	135
Polypropylene 聚丙烯 (PP)	136
Polystyrene 聚苯乙烯 (PS / PS - X-Linked 交联 / PS - HICP 高抗冲导电)	137
Polytetrafluoroethylene 聚四氟乙烯 (PTFE)	
(PTFE- 25%CGF 涂敷玻纤织物) / (PTFE - 25% GF 玻纤填充)	138-139
Polyvinylchloride - Unplasticized 聚氯乙烯 (UPVC 未增塑)	139
Polyvinylfluoride 聚氟乙烯 (PVF)	140
Polyvinylidenechloride 聚偏氯乙烯 (PVDC)	140
Polyvinylidene fluoride 聚偏氟乙烯 (PVDF)	140
Silicone Elastomer 硅弹性体 (MQ/VNQ/PMQ/PVMQ)	140
Tetrafluoroethylene-perfluoro (alkoxy vinyl ether) - Copolymer (Teflon 特氟龙 PFA)	
四氟乙烯-全氟烷氧乙烯基醚-共聚物	141
TPE - 50% Leather Fibre Filled 热塑高弹性体-50%皮革填充	141
Vectra 维克特拉 (聚乙烯纤维) A/B/MT1300; 15%, 25%, 30% GFR 玻璃纤维增强	141-142

复合材料 Composites

Al77.9/SiC17.8/Cu3.3/Mg1.2/Mn0.4 Matrix 铝铜金属基复合材料	143
Al81/SiC15/Li2/Cu1.2/Mg0.8 Matrix 铝锂金属基复合材料	143
Carbon fiber - Epoxy Resin Matrix 环氧基碳纤维复合材料	143
Carbon fiber - Polyaramid fiber 聚酰胺-碳纤维复合材料	143
Carbon fiber - PEEK Matrix 聚醚醚酮-碳纤维复合材料	143
Carbon fiber-Vinylester Matrix 碳纤维-乙烯树脂复合材料	143
Carbon fiber - Carbon Matrix 碳基-碳纤维复合材料	143
E-glass (Boro-silicate) /Epoxy 硼硅酸玻璃-环氧复合材料	144
Fabric Reinforced Phenolic 纤维加强酚醛树脂	144
LE40 (Leather - compacted)	144
Polyaramid fiber - PPS Matrix 聚酰胺-聚苯硫醚复合材料	144
Polyaramid fiber - Vinylester Matrix 聚酰胺-乙烯树脂复合材料	144
PE fibre-PE Matrix 聚乙烯-聚乙烯复合材料	144
PP fiber-PP Matrix 聚丙烯-聚丙烯复合材料	144

本手册所列出的材料种类均为常备库存，我们可以为特殊要求进行定制。

Metals

Aluminum (Al)



Microfoil

- AL004075** Thinness: **0.0075μm**, Specific density: 1.8 μg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 50 mm
- AL004500** Thinness: **0.1μm**, Specific density: 25.6 μg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 50 mm
- AL004600** Thinness: **0.25μm**, Specific density: 68.8 μg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 50 mm
- AL004700** Thinness: **0.5μm**, Specific density: 120.6 μg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 50 mm
- AL004850** Thinness: **1.0μm**, Specific density: 269.9 μg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 50 mm



Microleaf

- AL004915** Thinness: **0.15μm**, Specific density: 41.3 μg.cm⁻², Purity: 99.999%, Support: Removable, Diameter: 10 mm to 25 mm
- AL004925** Thinness: **0.25μm**, Specific density: 68.8 μg.cm⁻², Purity: 99.999%, Support: Removable, Diameter: 10 mm to 25 mm
- AL004950** Thinness: **0.5μm**, Specific density: 120.6 μg.cm⁻², Purity: 99.999%, Support: Removable, Diameter: 10 mm to 25 mm
- AL004990** Thinness: **1.0μm**, Specific density: 269.9 μg.cm⁻², Purity: 99.999%, Support: Removable, Diameter: 10 mm to 25 mm



Foil

- AL000205** Thickness: **0.0004mm**, Purity: 99.1%, Size: 160x160 mm
- AL000210** Thickness: **0.0008mm**, Purity: 99.1%, Size: 30x30 mm to 160x160 mm
- AL000271** Thickness: **0.0015mm**, Purity: 99.0%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- AL000300** Thickness: **0.002mm**, Purity: 99.1%, Tolerance: 20%, Size: 100x100 mm
- AL000320** Thickness: **0.003mm**, Purity: 99.1%, Tolerance: 20%, Size: 100x100 mm
- AL000360** Thickness: **0.006mm**, Purity: 99.0%, Size: 25x25 mm to 300x300 mm
- AL000363** Thickness: **0.008mm**, Purity: 99.0%, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000364** Thickness: **0.009mm**, Purity: 99.0%, Size: 25x25 mm to 300x300 mm
- AL000370** Thickness: **0.010mm**, Purity: 99.0%, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000375** Thickness: **0.010mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- AL000380** Thickness: **0.0125mm**, Purity: 99.0%, Size: 100x100 mm to 300x300 mm
- AL000392** Thickness: **0.015mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 300x300 mm
- AL000391** Thickness: **0.015mm**, High Purity: 99.999%, Size: 25x25 mm to 100x100 mm

- AL000395** Thickness: **0.018mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 300x300 mm
- AL000406** Thickness: **0.020mm**, Purity: 99.0%, Temper: Annealed, Coil width 100 mm Length : 0.5 m to 20 m
- AL000405** Thickness: **0.020mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 300x300 mm
- AL000400** Thickness: **0.020mm**, High Purity: 99.999%, Temper: As rolled, Size: 100x100 mm
- AL000421** Thickness: **0.025mm**, Purity: 99.0%, Temper: Annealed, Coil width 25 mm Length : 0.5 m to 10 m
- AL000420** Thickness: **0.025mm**, Purity: 99.0%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000431** Thickness: **0.025mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- AL000434** Thickness: **0.030mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000435** Thickness: **0.040mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000441** Thickness: **0.050mm**, Purity: 99.0%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000490** Thickness: **0.05mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 150x150 mm to 300x300 mm
- AL000485** Thickness: **0.050mm**, High Purity: 99.99+%, Temper: Half hard, Ribbon width 0.1 mm Length : 0.5 m to 10 m
- AL000481** Thickness: **0.050mm**, High Purity: 99.999%, Temper: As rolled, Coil width 250 mm, Size: 25x25 mm to 250x300 mm
- AL000510** Thickness: **0.060mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000520** Thickness: **0.075mm**, Purity: 99.0%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000530** Thickness: **0.075mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000540** Thickness: **0.09mm**, Purity: 99.99%, Temper: Annealed, Coil width 215 mm, Size: 25x25 mm to 150x150 mm
- AL000557** Thickness: **0.10mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000555** Thickness: **0.10mm**, Purity: 99.0%, Temper: Hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- AL000558** Thickness: **0.10mm**, Purity: 99.5%, Temper: Annealed, Coil width 500 mm, Size: 100x100 mm to 250x250 mm
- AL000565** Thickness: **0.1mm**, High Purity: 99.999%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 140x150 mm
- AL000560** Thickness: **0.116mm**, High Purity: 99.999%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- AL000590** Thickness: **0.125mm**, Purity: 99.0%, Temper: Half hard, Coil width 82.5 mm Length : 0.5 m to 5 m

Metals

- AL000592** Thickness: **0.125mm**, Purity: 99.0%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000591** Thickness: **0.125mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000570** Thickness: **0.125mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 150x150 mm
- AL000581** Thickness: **0.125mm**, High Purity: 99.999%, Temper: Hard, Coil width 100 mm, Size: 25x25 mm to 100x100 mm
- AL000580** Thickness: **0.125mm**, High Purity: 99.999%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 300x300 mm
- AL000601** Thickness: **0.15mm**, Purity: 99.0%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000611** Thickness: **0.20mm**, Purity: 99.0%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000612** Thickness: **0.20mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000613** Thickness: **0.20mm**, Purity: 99.0%, Temper: Hard, Coil width 600 mm Length : 0.5 m to 10 m
- AL000621** Thickness: **0.25mm**, Purity: 99.0%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000622** Thickness: **0.25mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000630** Thickness: **0.25mm**, High Purity: 99.999%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000635** Thickness: **0.3mm**, Purity: 99.0%, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000637** Thickness: **0.32mm**, High Purity: 99.999%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- AL000638** Thickness: **0.38mm**, Purity: 99.0%, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AL000645** Thickness: **0.5mm**, Purity: 99.0%, Temper: Half hard, Size: 100x100 mm to 500x500 mm
- AL000650** Thickness: **0.50mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
- AL000651** Thickness: **0.50mm**, High Purity: 99.999%, Temper: As rolled, Condition: Polished on both sides, Size: 50x50 mm to 100x100 mm
- AL000695** Thickness: **0.9mm**, Purity: 99.0%, Temper: Half hard, Size: 25x25 mm to 150x150 mm
- AL000700** Thickness: **1.0mm**, Purity: 99.0%, Temper: Half hard, Size: 25x25 mm to 300x300 mm
- AL000690** Thickness: **1.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
- AL000720** Thickness: **1.5mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
- AL000750** Thickness: **2.0mm**, Purity: 99.0%, Temper: Half hard, Size: 25x25 mm to 300x300 mm
- AL000760** Thickness: **2.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 300x300 mm

- AL000761** Thickness: **2.0mm**, High Purity: 99.999%, Temper: As rolled, Condition: Polished on both sides, Size: 100x100 mm
- AL000765** Thickness: **3.0mm**, Purity: 99.0%, Temper: Half hard, Size: 150x150 mm to 300x300 mm
- AL000770** Thickness: **3.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 150x150 mm to 300x300 mm
- AL000780** Thickness: **5.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 150x150 mm to 300x300 mm
- AL000785** Thickness: **6.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 100x100 mm to 300x300 mm
- AL000790** Thickness: **10.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 150x150 mm to 300x300 mm



Honeycomb

- AL002510** Thickness: **5mm**, Cell size: 3.2mm, Adhesive (Resin): Phenolic, Core Density: 0.072g.cm⁻³, Cell Wall: 0.025mm, Size: 300x300 mm to 600x600 mm
- AL002910** Thickness: **5mm**, Cell size: 13mm, Adhesive (Resin): Phenolic, Core Density: 0.062g.cm⁻³, Cell Wall: 0.1mm, Size: 300x300 mm to 600x600 mm
- AL002960** Thickness: **5mm**, Cell size: 19mm, Adhesive (Resin): Phenolic, Core Density: 0.029g.cm⁻³, Cell Wall: 0.064mm, Size: 300x300 mm to 600x600 mm
- AL002520** Thickness: **10mm**, Cell size: 3.2mm, Adhesive (Resin): Phenolic, Core Density: 0g.cm⁻³, Cell Wall: 0.025mm, Size: 150x150 mm to 600x600 mm
- AL002720** Thickness: **10mm**, Cell size: 6.3mm, Adhesive (Resin): Phenolic, Core Density: 0.083g.cm⁻³, Cell Wall: 0.064mm, Size: 300x300 mm to 600x600 mm
- AL002655** Thickness: **13.8mm**, Cell size: 6.3mm, Adhesive (Resin): Phenolic, Core Density: 0.083g.cm⁻³, Cell Wall: 0.064mm, Facing skin: Glass fiber 0.5mm, Size: 300x300 mm to 600x600 mm
- AL002656** Thickness: **13.9mm**, Cell size: 6.3mm, Adhesive (Resin): Phenolic, Core Density: 0.083g.cm⁻³, Cell Wall: 0.064mm, Facing skin: Aluminum 0.55mm, Size: 300x300 mm to 600x600 mm
- AL002540** Thickness: **20mm**, Cell size: 3.2mm, Adhesive (Resin): Phenolic, Core Density: 0.072g.cm⁻³, Cell Wall: 0.025mm, Size: 300x300 mm to 600x600 mm
- AL002640** Thickness: **20mm**, Cell size: 4.8mm, Adhesive (Resin): Phenolic, Core Density: 0.070g.cm⁻³, Cell Wall: 0.038mm, Size: 300x300 mm to 600x600 mm
- AL002840** Thickness: **20mm**, Cell size: 6.4mm, Adhesive (Resin): Phenolic, Core Density: 0.054g.cm⁻³, Cell Wall: 0.038mm, Size: 300x300 mm to 600x600 mm
- AL002940** Thickness: **20mm**, Cell size: 13mm, Adhesive (Resin): Phenolic, Core Density: 0.062g.cm⁻³, Cell Wall: 0.1mm, Size: 300x300 mm to 600x600 mm
- AL002675** Thickness: **26.5mm**, Cell size: 6.3mm, Adhesive (Resin): Phenolic, Core Density: 0.083g.cm⁻³, Cell Wall: 0.064mm, Facing skin: Glass fiber 0.5mm, Size: 300x300 mm to 600x600 mm

Metals

AL002676 Thickness: **26.5mm**, Cell size: 6.3mm, Adhesive (Resin): Phenolic, Core Density: 0.083g.cm⁻³, Cell Wall: 0.064mm, Facing skin: Aluminum 0.55mm, Size: 300x300 mm to 600x600 mm

AL002678 Thickness: **26.5mm**, Cell size: 6.3mm, Adhesive (Resin): Phenolic, Core Density: 0.083g.cm⁻³, Cell Wall: 0.064mm, Facing skin: Carbon Fiber / Epoxy, Size: 300x300 mm to 600x600 mm

AL002695 Thickness: **52.3mm**, Cell size: 6.3mm, Adhesive (Resin): Phenolic, Core Density: 0.083g.cm⁻³, Cell Wall: 0.064mm, Facing skin: Glass fiber 0.75mm, Size: 300x300 mm to 600x600 mm

AL002696 Thickness: **52.3mm**, Cell size: 6.3mm, Adhesive (Resin): Phenolic, Core Density: 0.083g.cm⁻³, Cell Wall: 0.064mm, Facing skin: Aluminum 0.55mm, Size: 150x150 mm



Sputtering Target

AL009200 Thickness: **2.0mm**, High Purity: 99.999%, Size: 50 mm to 75 mm

AL009300 Thickness: **3.0mm**, High Purity: 99.999%, Size: 50 mm to 75 mm

AL009500 Thickness: **5.0mm**, High Purity: 99.999%, Size: 50 mm to 75 mm

AL009600 Thickness: **6.0mm**, High Purity: 99.999%, Size: 50 mm to 75 mm

AL009900 Thickness: **10.0mm**, High Purity: 99.999%, Size: 50 mm to 75 mm



Foam

AL003802 Thickness: **3.2mm**, Bulk density: 0.2g.cm⁻³, Purity: 98.5%, Pores/cm: 16, Porosity: 93%, Grade: Aluminum 6101, Size: 150x150 mm

AL003805 Thickness: **6.35mm**, Bulk density: 0.2g.cm⁻³, Purity: 98.5%, Pores/cm: 2, Porosity: 93%, Grade: Aluminum 6101, Size: 150x150 mm

AL003810 Thickness: **6.35mm**, Bulk density: 0.2g.cm⁻³, Purity: 98.5%, Pores/cm: 4, Porosity: 93%, Grade: Aluminum 6101, Size: 150x150 mm

AL003815 Thickness: **6.35mm**, Bulk density: 0.2g.cm⁻³, Purity: 98.5%, Pores/cm: 8, Porosity: 93%, Grade: Aluminum 6101, Size: 150x150 mm

AL003825 Thickness: **6.35mm**, Bulk density: 0.2g.cm⁻³, Purity: 98.5%, Pores/cm: 16, Porosity: 93%, Grade: Aluminum 6101, Size: 150x150 mm

AL003826 Thickness: **6.35mm**, Bulk density: 0.2g.cm⁻³, Purity: 98.5%, Pores/cm: 16, Porosity: 93%, Grade: Aluminum 6101, Size: 300x400 mm

AL003835 Thickness: **10mm**, Bulk density: 0.2g.cm⁻³, Purity: 98.5%, Pores/cm: 16, Porosity: 93%, Grade: Aluminum 6101, Size: 150x150 mm

AL003845 Thickness: **20mm**, Bulk density: 0.2g.cm⁻³, Purity: 98.5%, Pores/cm: 2, Porosity: 93%, Grade: Aluminum 6101, Size: 33x140 mm

AL003860 Thickness: **30mm**, Bulk density: 0.2g.cm⁻³, Purity: 98.5%, Pores/cm: 16, Porosity: 93%, Grade: Aluminum 6101, Size: 150x150 mm



Mesh

AL008721 Nominal Aperture: **0.11mm**, Wire diameter: 0.1mm, Wires/inch: 120x120, Open area: 27%, Weave: Twill, Size: 100x100 mm to 500x500 mm

AL008710 Nominal Aperture: **0.38mm**, Wire diameter: 0.25mm, Wires/inch: 40x40, Open area: 37%, Type: Plain weave mesh, Size: 150x150 mm to 900x900 mm



Wire

AL005105 Diameter: **0.005mm**, Purity: 99.95%, Temper: Hard

AL005110 Diameter: **0.01mm**, Purity: 99.99%, Temper: Hard

AL005120 Diameter: **0.015mm**, Purity: 99.99%, Temper: Hard

AL005130 Diameter: **0.02mm**, Purity: 99.99%, Temper: Hard

AL005133 Diameter: **0.025mm**, Purity: 99.0 + %, Temper: As drawn

AL005134 Diameter: **0.025mm**, Purity: 99.99 + %, Temper: As drawn

AL005137 Diameter: **0.05mm**, Purity: 99.99 + %, Temper: As drawn

AL005138 Diameter: **0.063mm**, Purity: 99.99%, Temper: Annealed

AL005140 Diameter: **0.125mm**, Purity: 99.5%, Temper: As drawn

AL005145 Diameter: **0.125mm**, Purity: 99.99 + %, Temper: As drawn

AL005150 Diameter: **0.25mm**, Purity: 99.5%, Temper: As drawn

AL005155 Diameter: **0.25mm**, Purity: 99.95 + %, Temper: As drawn

AL005160 Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: Hard

AL005164 Diameter: **0.30mm**, Purity: 99.5%, Temper: As drawn

AL005170 Diameter: **0.5mm**, Purity: 99.5%, Temper: As drawn

AL005173 Diameter: **0.5mm**, Purity: 99.95 + %, Temper: As drawn

AL005172 Diameter: **0.5mm**, High Purity: 99.999%, Temper: As drawn

AL005176 Diameter: **0.7mm**, Purity: 99.5%, Temper: As drawn

AL005180 Diameter: **1.0mm**, Purity: 99.5%, Temper: As drawn

AL005183 Diameter: **1.0mm**, Purity: 99.95 + %, Temper: As drawn

AL005182 Diameter: **1.0mm**, High Purity: 99.999%, Temper: As drawn

AL005185 Diameter: **1.5mm**, High Purity: 99.999%, Temper: As drawn

AL005200 Diameter: **2.0mm**, High Purity: 99.999%, Temper: As drawn



Insulated Wire

AL005850 Conductor diameter: **0.1mm**, Insulation thickness: 0.005mm, Purity: 99.95 + %, Insulation: Polyimide



Rod

AL007901 Diameter: **5.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 100 mm to 1000 mm

AL007906 Diameter: **6.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 100 mm to 1000 mm

AL007910 Diameter: **10.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 100 mm to 1000 mm

Metals

- AL007912** Diameter: **12.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 100 mm to 1000 mm
- AL007915** Diameter: **15.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 100 mm to 1000 mm
- AL007920** Diameter: **20.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 50 mm to 1000 mm
- AL007924** Diameter: **24.0mm**, Purity: 98.5%, Condition: Foam Rod, Grade: Aluminum 6101, Bulk density: $0.2\text{g}\cdot\text{cm}^{-3}$, Pores/cm: 16, Porosity: 93%, Length: 140 mm
- AL007925** Diameter: **25.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 50 mm to 100 mm
- AL007928** Diameter: **28mm**, High Purity: 99.999%, Temper: As drawn, Length: 50 mm to 100 mm
- AL007930** Diameter: **30.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 50 mm to 1000 mm
- AL007950** Diameter: **50.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 25 mm to 500 mm
- AL007970** Diameter: **70mm**, High Purity: 99.999%, Temper: As drawn, Length: 25 mm to 500 mm
- AL007975** Diameter: **77.5mm**, High Purity: 99.999%, Temper: As drawn, Length: 39.3 mm



Tube

- AL007030** Outside Diameter: **0.30mm**, Wall Thickness: 0.05mm, Purity: 99.5%, Inside Diameter: 0.2mm, Temper: As drawn, Length: 100 mm to 1000 mm
- AL007025** Outside Diameter: **0.55mm**, Wall Thickness: 0.075mm, Purity: 99.5%, Inside Diameter: 0.4mm, Temper: As drawn, Length: 100 mm to 1000 mm
- AL007020** Outside Diameter: **0.6mm**, Wall Thickness: 0.15mm, Purity: 99.5%, Inside Diameter: 0.3mm, Temper: As drawn, Length: 100 mm to 1000 mm
- AL007040** Outside Diameter: **0.86mm**, Wall Thickness: 0.05mm, Purity: 99.5%, Inside Diameter: 0.76mm, Temper: As drawn, Length: 100 mm to 1000 mm
- AL007050** Outside Diameter: **1.42mm**, Wall Thickness: 0.127mm, Purity: 99.5%, Inside Diameter: 1.166mm, Temper: As drawn, Length: 100 mm to 1000 mm
- AL007100** Outside Diameter: **1.96mm**, Wall Thickness: 0.28mm, Purity: 99.5%, Inside Diameter: 1.4mm, Temper: As drawn, Length: 100 mm to 1000 mm
- AL007200** Outside Diameter: **3.0mm**, Wall Thickness: 0.69mm, Purity: 99.5%, Inside Diameter: 1.62mm, Temper: Hard, Length: 100 mm to 1000 mm
- AL007750** Outside Diameter: **25.4x25.4mm**, Wall Thickness: 1.6mm, Purity: 99.5%, Inside Diameter: 22.2x22.2mm, Condition: Square section, Length: 100 mm to 1000 mm



Powder

- AL006038** Max. Particle size: **15micron**, Purity: 99%
- AL006035** Max. Particle size: **25micron**, Purity: 99%
- AL006020** Max. Particle size: **50micron**, Purity: 99.5%
- AL006031** Max. Particle size: **60micron**, Purity: 99.9%
- AL006015** Max. Particle size: **125micron**, Purity: 99.5%
- AL006010** Max. Particle size: **400micron**, Purity: 99.5%



Lump

- AL006100** Max. Lump size: **10mm**, High Purity: 99.999%, Condition: Pellets
- AL006102** Max. Lump size: **10mm**, High Purity: 99.999%, Condition: Pellets
- AL006106** Max. Lump size: **10mm**, High Purity: 99.9995%, Condition: Pellets
- AL006107** Max. Lump size: **10mm**, High Purity: 99.9999%, Condition: Pellets
- AL006103** Max. Lump size: **15mm**, High Purity: 99.999%, Condition: Pellets
- AL006105** Max. Lump size: **15mm**, High Purity: 99.999%, Condition: Pellets
- AL006104** Max. Lump size: **20mm**, High Purity: 99.999%, Condition: Pellets



Sphere

- AL006810** Diameter: **1.0mm**, Purity: 95.2%, Grade: Aluminum alloy 2017
- AL006820** Diameter: **2.0mm**, Purity: 95.2%, Grade: Aluminum alloy 2017
- AL006825** Diameter: **2.5mm**, Purity: 95.2%, Grade: Aluminum alloy 2017
- AL006830** Diameter: **3.0mm**, Purity: 95.2%, Grade: Aluminum alloy 2017
- AL006860** Diameter: **6.0mm**, Purity: 99.0%



Single Crystal

- AL002101** Oriented: **(100)**, Diameter: 10mm, Purity: 99.999%, Length: 1mm, Condition: Unpolished
- AL002110** Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 2mm
- AL002111** Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 2mm, Condition: Polished on 1 side to 1 micron
- AL002130** Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 5mm
- AL002131** Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 10mm
- AL002132** Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 25mm
- AL002133** Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 50mm
- AL002119** Oriented: **(110)**, Diameter: 12mm, Purity: 99.999%, Length: 25mm
- AL002120** Oriented: **(110)**, Diameter: 12mm, Purity: 99.999%, Length: 50mm
- AL002109** Oriented: **Random**, Diameter: 5mm, Purity: 99.999%, Length: 5mm

Antimony (Sb)



Microfoil

- SB004700** Thickness: **0.5 μm** , Specific density: $334.5\text{ }\mu\text{g}\cdot\text{cm}^{-2}$, Purity: 95+%, Permanent support: 6 micron Aluminum, Size: 25x25 mm to 50x50 mm



Foil

- SB000030** Thickness: **0.002mm**, Purity: 95+%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm
- SB000070** Thickness: **0.005mm**, Purity: 95+%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

Metals

SB000120 Thickness: **0.01mm**, Purity: 95+%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

SB000140 Thickness: **0.015mm**, Purity: 95+%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

SB000160 Thickness: **0.025mm**, Purity: 95+%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

SB000190 Thickness: **0.05mm**, Purity: 95+%, Support: Permanent Polyester, Size: 50x50 mm to 100x100 mm

SB000300 Thickness: **2mm**, Condition: Hot-pressed, Size: 50x50 mm



Sputtering Target

SB009300 Thickness: **3mm**, Size: 25 mm to 50.8 mm



Rod

SB007906 Diameter: **4.7mm**, Purity: 99.999%, Length: 25 mm to 50 mm

SB007910 Diameter: **6mm**, High Purity: 99.999%, Length: 6 mm



Powder

SB006020 Mean Particle size: **4micron (FSS)**, Purity: 99.2%

SB006030 Max. Particle size: **45micron**, Purity: 99.5+%

SB006021 Max. Particle size: **75micron**, Purity: 99.2%

SB006010 Max. Particle size: **150micron**, Purity: 99.2%

SB006015 Max. Particle size: **150micron**, High Purity: 99.999%



Lump

SB006120 Max. Lump size: **5mm**, High Purity: 99.9999%

SB006100 Max. Lump size: **20mm**, High Purity: 99.999%



Single Crystal

SB002111 Oriented: **(111)**, Diameter: 12mm, Purity: 99.999%, Length: 2mm, Condition: Unpolished

SB002112 Oriented: **(111)**, Diameter: 12mm, Purity: 99.999%, Length: 2mm, Condition: Polished on 1 side to 1 micron

Arsenic (As)



Lump

AS006125 Max. Lump size: **20mm**, Purity: 99.99%

AS006105 Max. Lump size: **20mm**, High Purity: 99.9999%

Barium (Ba)



Lump

BA006100 Max. Lump size: **25mm**, Purity: 99.0%, Packing Note: Packed in Oil

Beryllium (Be)



Foil

BE000050 Thickness: **0.00025mm**, Purity: 99.9%, Support: Temporary Copper, Size: 12.5x12.5 mm to 50x50 mm

BE000100 Thickness: **0.001mm**, Purity: 99.9%, Support: Temporary Copper, Size: 12.5x12.5 mm to 25x25 mm

BE000151 Thickness: **0.005mm**, Purity: 99.0%, Size: 12.5x12.5 mm to 25x25 mm

BE000175 Thickness: **0.0075mm**, Purity: 99.9%, Support: Temporary Copper, Size: 12.5x14.5 mm

BE000200 Thickness: **0.01mm**, Purity: 99.8+%, Size: 12.5x12.5 mm to 50x50 mm

BE000210 Thickness: **0.015mm**, Purity: 99.8+%, Size: 10x10 mm to 50x50 mm

BE000221 Thickness: **0.025mm**, Purity: 99.8+%, Condition: Vacuum tight, Diameter: 25.4 mm

BE000220 Thickness: **0.025mm**, Purity: 99.8+%, Condition: Vacuum tight, Size: 25x25 mm to 50x50 mm

BE000229 Thickness: **0.125mm**, Purity: 99.0%, Condition: Vacuum tight, Diameter: 20 mm

BE000230 Thickness: **0.125mm**, Purity: 99.0%, Condition: Vacuum tight, Size: 25x25 mm to 50x50 mm

BE000231 Thickness: **0.125mm**, Purity: 99.8+%, Condition: Vacuum tight, Size: 25x25 mm

BE000235 Thickness: **0.125mm**, Purity: 99.8+%, Condition: Vacuum tight, Diameter: 25 mm

BE000236 Thickness: **0.125mm**, Purity: 99.8+%, Condition: Vacuum tight, Diameter: 18.8 mm

BE000232 Thickness: **0.125mm**, Purity: 99.8+%, Condition: Vacuum tight, Size: 50x50 mm

BE000233 Thickness: **0.125mm**, Purity: 99.8+%, Condition: Vacuum tight, Size: 100x100 mm

BE000241 Thickness: **0.25mm**, Purity: 99.0%, Condition: Vacuum tight, Diameter: 25 mm

BE000240 Thickness: **0.25mm**, Purity: 99.0%, Condition: Vacuum tight, Size: 25x25 mm to 50x50 mm

BE000252 Thickness: **0.25mm**, Purity: 99.8%, Condition: Vacuum tight, Diameter: 15 mm

BE000251 Thickness: **0.25mm**, Purity: 99.8%, Condition: Vacuum tight, Diameter: 29 mm

BE000250 Thickness: **0.25mm**, Purity: 99.8+%, Condition: Vacuum tight, Size: 25x25 mm to 100x100 mm

BE000289 Thickness: **0.5mm**, Purity: 99.0%, Condition: Vacuum tight, Diameter: 25 mm

BE000290 Thickness: **0.5mm**, Purity: 99.0%, Condition: Vacuum tight, Size: 25x25 mm to 100x100 mm

BE000303 Thickness: **0.5mm**, Purity: 99.8+%, Condition: Vacuum tight, Diameter: 10 mm

BE000300 Thickness: **0.5mm**, Purity: 99.8+%, Condition: Vacuum tight, Size: 25x25 mm

BE000301 Thickness: **0.5mm**, Purity: 99.8+%, Condition: Vacuum tight, Size: 50x50 mm

BE000330 Thickness: **1.0mm**, Purity: 99.0%, Condition: Vacuum tight, Size: 25x25 mm to 100x100 mm

BE000331 Thickness: **1.0mm**, Purity: 99.0%, Condition: Vacuum tight, Diameter: 10 mm

BE000350 Thickness: **1.0mm**, Purity: 99.8+%, Condition: Vacuum tight, Size: 25x25 mm

BE000351 Thickness: **1.0mm**, Purity: 99.8+%, Condition: Vacuum tight, Size: 50x50 mm

BE000361 Thickness: **2.0mm**, Purity: 99.0%, Condition: Vacuum tight, Diameter: 45 mm

BE000360 Thickness: **2.0mm**, Purity: 99.0%, Condition: Vacuum tight, Size: 25x25 mm to 100x100 mm

BE000400 Thickness: **2.0mm**, Purity: 99.8+%, Condition: Vacuum tight, Size: 25x25 mm



Sputtering Target

BE009100 Thickness: **1.0mm**, Purity: 99.0%, Size: 25 mm

BE009200 Thickness: **2.0mm**, Purity: 99.0%, Size: 25 mm to 50 mm

Metals

BE009300 Thickness: **3.0mm**, Purity: 99.0%, Size: 25 mm



Mesh

BE008710 Nominal Aperture: **0.13mm**, Thickness: 0.025mm, Wire diameter: 0.1mm, Wires/inch: 100, Open area: 50%, Type: Electro-formed mesh, Size: 5x5 mm



Wire

BE005100 Diameter: **0.05mm**, Purity: 99.7%, Condition: Annealed and Clean

BE005110 Diameter: **0.125mm**, Purity: 99.7%, Condition: Annealed and Clean

BE005115 Diameter: **0.25mm**, Purity: 99.7%, Condition: Annealed and Clean

BE005120 Diameter: **0.356mm**, Purity: 99.7%, Condition: Annealed and Clean

BE005125 Diameter: **0.5mm**, Purity: 99.0%, Condition: Annealed and Clean

BE005126 Diameter: **0.6mm**, Purity: 99.0%, Condition: Annealed and Clean

BE005128 Diameter: **0.75mm**, Purity: 99.0%, Condition: Annealed and Clean

BE005129 Diameter: **0.85mm**, Purity: 99.0%, Condition: Annealed and Clean

BE005131 Diameter: **1.2mm**, Purity: 99.7%



Rod

BE007930 Diameter: **7.0mm**, Purity: 99.0%, Length: 100 mm



Flake

BE006200 Max. Flake size: **10mm**, Purity: 99.5%, Condition: Electrolytic

Bismuth (Bi)



Foil

BI000020 Thickness: **0.001mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

BI000030 Thickness: **0.002mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

BI000040 Thickness: **0.0025mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

BI000070 Thickness: **0.005mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

BI000120 Thickness: **0.01mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

BI000140 Thickness: **0.015mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

BI000150 Thickness: **0.02mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 150x150 mm

BI000160 Thickness: **0.025mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 150x150 mm

BI000190 Thickness: **0.05mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 150x150 mm

BI000220 Thickness: **0.25mm**, High Purity: 99.999%, Size: 25x25 mm to 50x50 mm

BI000240 Thickness: **0.5mm**, High Purity: 99.999%, Size: 25x25 mm to 50x50 mm

BI000250 Thickness: **1.0mm**, High Purity: 99.999%, Size: 25x25 mm to 50x50 mm

BI000300 Thickness: **2.0mm**, High Purity: 99.999%, Size: 25x25 mm to 50x50 mm



Sputtering Target

BI009300 Thickness: **3.0mm**, Purity: 99.97%, Size: 50 mm to 75 mm

BI009600 Thickness: **6.0mm**, Purity: 99.97%, Size: 50 mm to 75 mm



Rod

BI007911 Diameter: **10.0mm**, High Purity: 99.997%, Condition: Cast sticks, Tolerance: 20%, Length: 120 mm

BI007910 Diameter: **10.0mm**, High Purity: 99.999%, Condition: Cast sticks, Tolerance: 20%, Length: 70 mm to 140 mm



Powder

BI006040 Max. Particle size: **37micron**, Purity: 99.5 + %

BI006019 Max. Particle size: **150micron**, Purity: 99.97%

BI006018 Max. Particle size: **150micron**, High Purity: 99.997%

BI006015 Max. Particle size: **150micron**, High Purity: 99.999%



Lump

BI006110 Max. Lump size: **7mm**, Purity: 99.999%, Condition: Shot

BI006105 Max. Lump size: **25mm**, High Purity: 99.9999%, Condition: Broken ingot



Single Crystal

BI002111 Oriented: **(111)**, Diameter: 12mm, Purity: 99.999%, Length: 2mm, Condition: Unpolished

BI002112 Oriented: **(111)**, Diameter: 12mm, Purity: 99.999%, Length: 2mm, Condition: Polished on 1 side to 1 micron

Boron (B)



Microfoil

B 004501 Thinness: **0.1μm**, Specific density: 23.5 μg.cm⁻², Purity: 99.6%, Permanent support: 6 micron Aluminum, Diameter: 25 mm

B 004500 Thinness: **0.1μm**, Specific density: 23.5 μg.cm⁻², Purity: 99.6%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm



Foil

B 000230 Thickness: **3.0mm**, Purity: 99.6%, Condition: Hot-pressed, Size: 17x17 mm to 25x25 mm



Sputtering Target

B 009300 Thickness: **3.0mm**, Purity: 99.6%, Condition: Hot-pressed, Size: 25 mm to 76.2 mm

B 009600 Thickness: **6.0mm**, Purity: 99.6%, Condition: Hot-pressed, Size: 25 mm to 75 mm



Monofilament

B 005910 Diameter: **0.1mm**

B 005915 Diameter: **0.2mm**

Metals



Rod

- B 007905** Diameter: **5mm**, Purity: 99.6%, Condition: Cast, Length: 8 mm to 15 mm
- B 007910** Diameter: **10mm**, Purity: 99.6%, Condition: Cast, Length: 5 mm to 8 mm



Powder

- B 006041** Mean Particle size: **0.9micron (FSS)**, Purity: 95 + %, Condition: Amorphous
- B 006020** Mean Particle size: **1micron (FSS)**, Purity: 92.1%, Condition: Amorphous
- B 006012** Max. Particle size: **45micron**, Purity: 99.6%, Condition: Crystalline



Granule

- B 006300** Nominal Granule Size: **15mm**, Purity: 99%

Cadmium (Cd)



Foil

- CD000021** Thickness: **0.001mm**, Purity: 99.7 + %, Size: 25x25 mm to 50x50 mm
- CD000030** Thickness: **0.002mm**, Purity: 99.7 + %, Size: 25x25 mm to 50x50 mm
- CD000070** Thickness: **0.005mm**, Purity: 99.7 + %, Size: 25x25 mm to 100x100 mm
- CD000120** Thickness: **0.01mm**, Purity: 99.7 + %, Size: 25x25 mm to 100x100 mm
- CD000140** Thickness: **0.015mm**, Purity: 99.7 + %, Size: 25x25 mm to 100x100 mm
- CD000160** Thickness: **0.025mm**, Purity: 99.7 + %, Size: 25x25 mm to 100x100 mm
- CD000200** Thickness: **0.05mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- CD000232** Thickness: **0.125mm**, Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 100x300 mm
- CD000230** Thickness: **0.125mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- CD000239** Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- CD000251** Thickness: **0.25mm**, Purity: 99.95%, Temper: As rolled, Size: 150x150 mm to 300x300 mm
- CD000250** Thickness: **0.25mm**, Purity: 99.99%, Temper: As rolled, Size: 100x100 mm
- CD000240** Thickness: **0.25mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- CD000263** Thickness: **0.5mm**, Purity: 99.95%, Temper: As rolled, Size: 100x100 mm to 1000x1000 mm
- CD000260** Thickness: **0.5mm**, Purity: 99.99%, Temper: As rolled, Size: 100x100 mm to 300x300 mm
- CD000261** Thickness: **0.5mm**, Purity: 99.99%, Temper: As rolled, Size: 1000x1000 mm
- CD000262** Thickness: **0.5mm**, High Purity: 99.999%, Temper: As rolled, Coil width 30 mm, Size: 25x25 mm to 30x150 mm
- CD000272** Thickness: **1.0mm**, Purity: 99.95%, Temper: As rolled, Size: 100x100 mm to 195x198 mm
- CD000273** Thickness: **1.0mm**, Purity: 99.95%, Temper: As rolled, Size: 500x500 mm to 1000x1000 mm
- CD000270** Thickness: **1.0mm**, Purity: 99.99%, Temper: As rolled, Size: 150x150 mm

- CD000280** Thickness: **1.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 50x200 mm

- CD000301** Thickness: **2.0mm**, Purity: 99.95%, Temper: As rolled, Size: 500x500 mm to 1000x1000 mm

- CD000300** Thickness: **2.0mm**, Purity: 99.99%, Temper: As rolled, Size: 50x50 mm to 300x1000 mm

- CD000350** Thickness: **3.0mm**, Purity: 99.9%, Temper: As rolled, Size: 50x50 mm to 150x150 mm



Sputtering Target

- CD009200** Thickness: **2.0mm**, Purity: 99.99%, Size: 50 mm to 75 mm



Wire

- CD005090** Diameter: **0.125mm**, Purity: 99.9%, Temper: As drawn
- CD005100** Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: Hard
- CD005105** Diameter: **0.5mm**, Purity: 99.95 + %, Temper: Hard
- CD005110** Diameter: **0.5mm**, High Purity: 99.99 + %, Temper: Hard
- CD005114** Diameter: **0.70mm**, High Purity: 99.99 + %, Temper: As drawn
- CD005125** Diameter: **1.0mm**, High Purity: 99.999%, Temper: Hard
- CD005127** Diameter: **1.2mm**, High Purity: 99.99 + %, Temper: As drawn
- CD005130** Diameter: **2.0mm**, High Purity: 99.99 + %, Temper: Hard



Rod

- CD007900** Diameter: **5.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- CD007925** Diameter: **10.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 150 mm to 300 mm
- CD007920** Diameter: **10.0mm**, High Purity: 99.999%, Length: 50 mm to 200 mm
- CD007940** Diameter: **40mm**, Purity: 99.9%, Length: 25 mm to 100 mm



Tube

- CD007200** Outside Diameter: **2.29mm**, Wall Thickness: 0.51mm, Purity: 99.95 + %, Inside Diameter: 1.27mm, Length: 100 mm to 1000 mm



Powder

- CD006010** Max. Particle size: **53micron**, Purity: 99.5 + %
- CD006020** Max. Particle size: **60micron**, Purity: 99.9%



Lump

- CD006110** Max. Lump size: **5mm**, Purity: 99.99 + %, Condition: Shot
- CD006100** Max. Lump size: **100mm**, Purity: 99.99%, Condition: Cast sticks



Single Crystal

- CD002110** Oriented: **(0001)**, Diameter: 12mm, Purity: 99.999%, Length: 2mm
- CD002120** Oriented: **(0001)**, Diameter: 12mm, Purity: 99.999%, Length: 50mm

Metals

Calcium (Ca)



Lump

CA006100 Max. Lump size: **5mm**, Purity: 99.0%

Carbon (C)



Microleaf

C 004905 Thinness: **0.0025μm**, Specific density: 0.5 μg.cm⁻², Purity: 99.997%, Support: Temporary Glass, Size: 25x70 mm

C 004910 Thinness: **0.025μm**, Specific density: 5 μg.cm⁻², Purity: 99.997%, Support: Temporary Glass, Size: 25x70 mm

C 004920 Thinness: **0.050μm**, Specific density: 10 μg.cm⁻², Purity: 99.997%, Support: Temporary Glass, Size: 25x70 mm

C 004940 Thinness: **0.25μm**, Specific density: 50 μg.cm⁻², Purity: 99.997%, Support: Temporary Glass, Size: 25x70 mm

C 004960 Thinness: **0.50μm**, Specific density: 100 μg.cm⁻², Purity: 99.997%, Support: Temporary Glass, Size: 25x70 mm

C 004980 Thinness: **1.25μm**, Specific density: 250 μg.cm⁻², Purity: 99.997%, Size: 25x70 mm to 50x70 mm

C 004990 Thinness: **2.5μm**, Specific density: 500 μg.cm⁻², Purity: 99.997%, Size: 25x70 mm to 50x70 mm

C 004995 Thinness: **5.0μm**, Specific density: 1000 μg.cm⁻², Purity: 99.997%, Size: 24x70 mm



Foil

C 000205 Thickness: **0.075mm**, Purity: 99.8%, Condition: Flexible graphite, Size: 100x100 mm to 300x300 mm

C 000720 Thickness: **0.1mm**, Purity: 99.99%, Condition: Pyrolytic Graphite, Size: 25x25 mm

C 000721 Thickness: **0.1mm**, Purity: 99.99%, Condition: Pyrolytic Graphite, Size: 50x50 mm

C 000208 Thickness: **0.125mm**, Purity: 99.8%, Condition: Flexible graphite, Size: 150x150 mm to 300x300 mm

C 000400 Thickness: **0.125mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 12.5x12.5 mm to 150x150 mm

C 000405 Thickness: **0.15mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 25x25 mm

C 000305 Thickness: **0.2mm**, Purity: 99.8%, Condition: Flexible graphite, Size: 25x25 mm to 500x500 mm

C 000731 Thickness: **0.2mm**, Purity: 99.99%, Condition: Pyrolytic Graphite, Size: 50x50 mm

C 000410 Thickness: **0.25mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 25x25 mm to 150x150 mm

C 000411 Thickness: **0.25mm**, Purity: 99.997%, Condition: Rigid graphite, Grain size: Fine, Size: 25x25 mm to 100x100 mm

C 000315 Thickness: **0.35mm**, Purity: 99.8%, Condition: Flexible graphite, Size: 50x50 mm to 500x500 mm

C 000320 Thickness: **0.5mm**, Purity: 99.8%, Condition: Flexible graphite, Size: 50x50 mm

C 000321 Thickness: **0.5mm**, Purity: 99.8%, Condition: Flexible graphite, Size: 50x50 mm to 500x500 mm

C 000420 Thickness: **0.5mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 25x25 mm to 150x150 mm

C 000735 Thickness: **0.5mm**, Purity: 99.99%, Condition: Pyrolytic Graphite, Size: 25x25 mm

C 000421 Thickness: **0.5mm**, Purity: 99.997%, Condition: Rigid graphite, Grain size: Fine, Size: 25x25 mm to 100x100 mm

C 000330 Thickness: **1.0mm**, Purity: 99.8%, Condition: Flexible graphite, Size: 50x50 mm to 500x500 mm

C 000430 Thickness: **1.0mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 25x25 mm to 150x150 mm

C 000431 Thickness: **1.0mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 200x200 mm

C 000620 Thickness: **2.0mm**, Condition: HOPG, Size: 5x5 mm to 15x15 mm

C 000440 Thickness: **2.5mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 25x25 mm to 100x100 mm

C 000350 Thickness: **5.0mm**, Purity: 99.5 + %, Condition: Rigid graphite, Grain size: Medium, Size: 50x50 mm to 150x150 mm

C 000360 Thickness: **10.0mm**, Purity: 99.5 + %, Condition: Rigid graphite, Grain size: Medium, Size: 48x48 mm to 150x150 mm



Sputtering Target

C 009025 Thickness: **0.25mm**, Purity: 99.997%, Size: 50 mm

C 009050 Thickness: **0.5mm**, Purity: 99.997%, Size: 50 mm

C 009300 Thickness: **3.0mm**, Purity: 99.997%, Size: 25 mm to 100 mm

C 009600 Thickness: **6.0mm**, Purity: 99.997%, Size: 25 mm to 100 mm



Fabric

C 003510 Weight.m⁻²: **92g**, Ends x Picks/10cm: 69x69, Warp Yarn: 66Tex, Weft Yarn: 66Tex, Weave: Plain, Thickness: 0.15mm, Size: 250x250 mm to 1000x1000 mm

C 003550 Weight.m⁻²: **110g**, Ends x Picks/10cm: 130x130, Weave: Plain, Thickness: 0.5mm, Coil width 1140 mm, Size: 300x300 mm

C 003531 Weight.m⁻²: **200g**, Ends x Picks/10cm: 50x50, Warp Yarn: 200Tex, Weft Yarn: 200Tex, Weave: Plain, Thickness: 0.3mm, Size: 150x150 mm to 1000x1000 mm

C 003580 Weight.m⁻²: **406g**, Ends x Picks/10cm: 50x50, Warp Yarn: 400(T)Tex, Weft Yarn: 400(T)Tex, Weave: 2/2 Twill, Thickness: 0.4mm, Size: 150x150 mm to 1000x1000 mm



Fiber

C 005735 Tex Number: **200**, Filament Diameter: 0.007mm, Number of Filaments: 3000, Grade: Tenax HTA, Condition: Epoxy sized, Condition: Continuous multi-filament TOW.

C 005780 Tex Number: **280**, Filament Diameter: 0.009mm, Number of Filaments: 2000, Grade: F500, Condition: Epoxy sized (1.0%), Condition: Continuous multi-filament TOW.

C 005785 Tex Number: **320**, Filament Diameter: 0.01mm, Number of Filaments: 2000, Grade: P100, Condition: Epoxy sized, Condition: Continuous multi-filament TOW.

Metals

- C 005731** Tex Number: **400**, Filament Diameter: 0.005mm, Number of Filaments: 12000, Condition: Continuous multi-filament TOW., Condition: Epoxy/PU sized (1.0%)
- C 005711** Tex Number: **400**, Filament Diameter: 0.007mm, Number of Filaments: 6000, Grade: Tenax HTA, Condition: Epoxy sized (1.2%), Condition: Continuous multi-filament TOW.
- C 005775** Tex Number: **420**, Filament Diameter: 0.01mm, Number of Filaments: 3000, Grade: F180, Condition: Epoxy sized (1.0%), Condition: Continuous multi-filament TOW.
- C 005770** Tex Number: **720**, Filament Diameter: 0.011mm, Number of Filaments: 4000, Grade: P25, Condition: Epoxy sized, Condition: Continuous multi-filament TOW.
- C 005725** Tex Number: **795**, Filament Diameter: 0.007mm, Number of Filaments: 12000, Grade: XAS, Condition: Epoxy sized (1.6%), Condition: Continuous multi-filament TOW.
- C 005722** Tex Number: **795**, Filament Diameter: 0.007mm, Number of Filaments: 12000, Grade: 34-700, Condition: Unsized, Condition: Continuous multi-filament TOW.
- C 005730** Tex Number: **900**, Filament Diameter: 0.008mm, Number of Filaments: 10000, Grade: HM, Condition: Epoxy sized (0.7%), Condition: Continuous multi-filament TOW.



Chopped Fiber

- C 006510** Nominal Diameter: **0.007mm**, Fiber length: 1mm, Grade: 34-700
- C 006560** Nominal Diameter: **0.007mm**, Fiber length: 6mm, Grade: 34-700



Rod

- C 007905** Diameter: **0.5mm**, Purity: 99.95%, Condition: Graphite, Length: 2 mm
- C 007906** Diameter: **0.5mm**, Purity: 99.95%, Condition: Graphite, Length: 50 mm
- C 007908** Diameter: **1.0mm**, Purity: 99.95%, Condition: Graphite, Length: 50 mm to 100 mm
- C 007909** Diameter: **1.5mm**, Purity: 99.997%, Condition: Graphite, Length: 50 mm
- C 007911** Diameter: **2.0mm**, Purity: 99.997%, Condition: Graphite, Length: 100 mm to 300 mm
- C 007910** Diameter: **3.0mm**, Purity: 99.997%, Condition: Graphite, Length: 100 mm to 300 mm
- C 007920** Diameter: **5.0mm**, Purity: 99.997%, Condition: Graphite, Length: 100 mm to 300 mm
- C 007921** Diameter: **6.35mm**, Purity: 99.997%, Condition: Graphite, Length: 100 mm to 300 mm
- C 007930** Diameter: **10.0mm**, Purity: 99.997%, Condition: Graphite, Length: 100 mm to 300 mm
- C 007940** Diameter: **13.0mm**, Purity: 99.997%, Condition: Graphite, Length: 100 mm to 300 mm
- C 007950** Diameter: **25mm**, Purity: 99.95%, Condition: Graphite, Length: 50 mm to 300 mm
- C 007955** Diameter: **25mm**, Purity: 99.997%, Condition: Graphite, Length: 50 mm to 150 mm
- C 007975** Diameter: **50mm**, Purity: 99.95%, Condition: Graphite, Length: 25 mm to 150 mm
- C 007980** Diameter: **70mm**, Purity: 99.95%, Condition: Graphite, Length: 150 mm



Tube

- C 007200** Outside Diameter: **3.18mm**, Wall Thickness: 1.0mm, Purity: 99.95%, Inside Diameter: 1.18mm, Condition: Graphite, Length: 50 mm to 150 mm
- C 007300** Outside Diameter: **6.35mm**, Wall Thickness: 1.6mm, Purity: 99.95%, Inside Diameter: 3.15mm, Condition: Graphite, Length: 50 mm to 150 mm
- C 007400** Outside Diameter: **12.7mm**, Wall Thickness: 1.6mm, Purity: 99.95%, Inside Diameter: 9.5mm, Condition: Graphite, Length: 50 mm to 150 mm



Powder

- C 006011** Max. Particle size: **75micron**, High Purity: 99.997%, Condition: Graphite



Lump

- C 006100** Max. Lump size: **1.5mm**, Purity: 99.8%

Carbon - Diamond (C)



Film

- DI001075** Thickness: **0.001mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 100, Roughness: < 100nm RMS, Hardness: > 900 GPa, Grain size: 200-300 nm, Size: 25x25 mm
- DI001076** Thickness: **0.001mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 100, Roughness: < 100nm RMS, Hardness: > 900 GPa, Grain size: 200-300 nm, Diameter: 100 mm
- DI001077** Thickness: **0.001mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 100, Roughness: < 100nm RMS, Hardness: > 900 GPa, Grain size: 200-300 nm, Diameter: 150 mm
- DI001078** Thickness: **0.001mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 100, Roughness: < 100nm RMS, Hardness: > 900 GPa, Grain size: 200-300 nm, Diameter: 200 mm
- DI001060** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 25, Roughness: < 15nm RMS, Hardness: > 800 GPa, Grain size: 3-50 nm, Size: 25x25 mm
- DI001065** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 40, Roughness: < 25nm RMS, Hardness: > 900 GPa, Grain size: 50-100 nm, Size: 25x25 mm
- DI001070** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 50, Roughness: < 50nm RMS, Hardness: > 900 GPa, Grain size: 100-150 nm, Size: 25x25 mm
- DI001061** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 25, Roughness: < 15nm RMS, Hardness: > 800 GPa, Grain size: 3-50 nm, Diameter: 100 mm
- DI001066** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 40, Roughness: < 25nm RMS, Hardness: > 900 GPa, Grain size: 50-100 nm, Diameter: 100 mm

Metals

- DI001071** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 50, Roughness: < 50nm RMS, Hardness: > 900 GPa, Grain size: 100-150 nm, Diameter: 100 mm
- DI001062** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 25, Roughness: < 15nm RMS, Hardness: > 800 GPa, Grain size: 3-50 nm, Diameter: 150 mm
- DI001067** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 40, Roughness: < 25nm RMS, Hardness: > 900 GPa, Grain size: 50-100 nm, Diameter: 150 mm
- DI001072** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 50, Roughness: < 50nm RMS, Hardness: > 900 GPa, Grain size: 100-150 nm, Diameter: 150 mm
- DI001063** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 25, Roughness: < 15nm RMS, Hardness: > 800 GPa, Grain size: 3-50 nm, Diameter: 200 mm
- DI001068** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 40, Roughness: < 25nm RMS, Hardness: > 900 GPa, Grain size: 50-100 nm, Diameter: 200 mm
- DI001073** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 50, Roughness: < 50nm RMS, Hardness: > 900 GPa, Grain size: 100-150 nm, Diameter: 200 mm
- DI001090** Thickness: **0.25mm**, Condition: Natural, Size: 3x3 mm
- DI001080** Thickness: **0.30mm**, Condition: CVD, Polycrystalline, Diameter: 5 mm
- DI001082** Thickness: **0.30mm**, Condition: CVD, Polycrystalline, Diameter: 10 mm

Carbon - Nano-Materials (C)



Powder

- NC006010** Condition: **NanoClusters**, Size: 50-100 nm
- NC006020** Condition: **Clusters**, Size: 1 micron
- NC006021** Condition: **Clusters**, Size: 2 micron
- NC006030** Condition: **Whiskers**, Size: 200 nm diameter x 20 micron length
- NC006040** Condition: **NanoKit**, Contents: 0.25g of NC006010, NC006021 and NC006030

Carbon - Vitreous (C)



Foil

- VC000250** Thickness: **0.2mm**, Condition: Glassy Carbon, Diameter: 10 mm
- VC000252** Thickness: **0.2mm**, Condition: Glassy Carbon, Tolerance: 20%, Diameter: 25 mm
- VC000251** Thickness: **0.2mm**, Condition: Glassy Carbon, Diameter: 100 mm
- VC000400** Thickness: **0.5mm**, Condition: Glassy Carbon, Size: 25x25 mm
- VC000502** Thickness: **1.0mm**, Condition: Glassy Carbon, Size: 10x10 mm
- VC000500** Thickness: **1.0mm**, Condition: Glassy Carbon, Size: 50x50 mm to 100x100 mm

- VC000501** Thickness: **1.0mm**, Condition: Glassy Carbon, Size: 200x200 mm
- VC000551** Thickness: **2.0mm**, Condition: Glassy Carbon, Size: 10x10 mm
- VC000550** Thickness: **2.0mm**, Condition: Glassy Carbon, Size: 100x100 mm
- VC000601** Thickness: **4.0mm**, Condition: Glassy Carbon, Size: 10x10 mm
- VC000600** Thickness: **4.0mm**, Condition: Glassy Carbon, Size: 25x25 mm to 50x50 mm



Foam

- VC003810** Thickness: **2.5mm**, Bulk density: 0.05g.cm⁻³, Pores/cm: 24, Porosity: 96.5%, Size: 150x150 mm
- VC003821** Thickness: **3.2mm**, Bulk density: 0.05g.cm⁻³, Pores/cm: 24, Porosity: 96.5%, Size: 150x150 mm
- VC003823** Thickness: **3.2mm**, Bulk density: 0.05g.cm⁻³, Pores/cm: 24, Porosity: 96.5%, Size: 275x330 mm
- VC003825** Thickness: **6.35mm**, Bulk density: 0.05g.cm⁻³, Pores/cm: 24, Porosity: 96.5%, Size: 150x150 mm
- VC003827** Thickness: **6.35mm**, Bulk density: 0.05g.cm⁻³, Pores/cm: 24, Porosity: 96.5%, Size: 275x330 mm
- VC003837** Thickness: **20mm**, Bulk density: 0.05g.cm⁻³, Pores/cm: 24, Porosity: 96.5%, Size: 300x300 mm
- VC003840** Thickness: **30mm**, Bulk density: 0.05g.cm⁻³, Pores/cm: 24, Porosity: 96.5%, Size: 300x300 mm



Rod

- VC007905** Diameter: **1.0mm**, Condition: Glassy Carbon, Length: 50 mm to 200 mm
- VC007916** Diameter: **3.0mm**, Condition: Glassy Carbon, Length: 5 mm
- VC007915** Diameter: **3.0mm**, Condition: Glassy Carbon, Length: 100 mm to 400 mm
- VC007925** Diameter: **5.0mm**, Condition: Glassy Carbon, Length: 100 mm to 200 mm
- VC007940** Diameter: **7.0mm**, Condition: Glassy Carbon, Length: 100 mm to 200 mm
- VC007960** Diameter: **10mm**, Condition: Glassy Carbon, Length: 100 mm to 200 mm



Tube

- VC007500** Outside Diameter: **10mm**, Wall Thickness: 3.5mm, Inside Diameter: 3mm, Condition: Glassy Carbon, Length: 50 mm to 100 mm



Powder

- VC006010** Max. Particle size: **12micron**, Min. Particle size: 0.4micron, Condition: Spherical powder
- VC006015** Max. Particle size: **50micron**, Min. Particle size: 20micron, Condition: Spherical powder
- VC006020** Max. Particle size: **200micron**, Min. Particle size: 80micron, Condition: Spherical powder

Cerium (Ce)



Foil

- CE000205** Thickness: **0.005mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm

Metals

CE000200 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

CE000210 Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

CE000220 Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Size: 50x50 mm to 100x100 mm



Sputtering Target

CE009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm

CE009300 Thickness: **3.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm



Wire

CE005110 Diameter: **1.0mm**, Purity: 99.9%, Temper: Hard



Rod

CE007910 Diameter: **6.35mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm

CE007950 Diameter: **12.7mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm



Powder

CE006011 Max. Particle size: **45micron**, Purity: 99.9%



Lump

CE006100 Max. Lump size: **25mm**, Purity: 99.9%, Packing Note: Packed in Oil

Cesium (Cs)



Lump

CS006100 Max. Lump size: **5mm**, Purity: 99.9%, Melting Point: 28.5C

Chromium (Cr)



Microfoil

CR004200 Thinness: **0.025μm**, Specific density: 18.2 μg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

CR004300 Thinness: **0.05μm**, Specific density: 37.3 μg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

CR004600 Thinness: **0.25μm**, Specific density: 178.7 μg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

CR004700 Thinness: **0.5μm**, Specific density: 355 μg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

CR004850 Thinness: **1.0μm**, Specific density: 719 μg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm



Foil

CR000020 Thickness: **0.001mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000025 Thickness: **0.0015mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000030 Thickness: **0.002mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000040 Thickness: **0.0025mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000050 Thickness: **0.003mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000060 Thickness: **0.004mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000070 Thickness: **0.005mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000080 Thickness: **0.006mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000090 Thickness: **0.007mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000100 Thickness: **0.008mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000110 Thickness: **0.009mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000120 Thickness: **0.01mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 50x50 mm to 100x100 mm

CR000130 Thickness: **0.0125mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 50x50 mm to 100x100 mm

CR000140 Thickness: **0.015mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 50x50 mm to 100x100 mm

CR000150 Thickness: **0.02mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 50x50 mm to 100x100 mm

CR000160 Thickness: **0.025mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 50x50 mm to 100x100 mm

CR000170 Thickness: **0.03mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 50x50 mm to 100x100 mm

CR000180 Thickness: **0.04mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 50x50 mm to 100x100 mm

CR000190 Thickness: **0.05mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 50x50 mm to 100x100 mm

CR000191 Thickness: **0.075mm**, Purity: 99.99 + %, Support: Permanent Polyester, Size: 50x50 mm to 100x100 mm

CR000210 Thickness: **0.5mm**, Purity: 99.99 + %, Size: 12.5x12.5 mm to 100x100 mm

CR000220 Thickness: **1.0mm**, Purity: 99.99 + %, Size: 10x10 mm to 100x100 mm

CR000230 Thickness: **1.5mm**, Purity: 99.99 + %, Size: 25x25 mm to 100x100 mm

CR000340 Thickness: **2.0mm**, Purity: 99.7 + %, Temper: Hard, Size: 25x25 mm to 100x100 mm

CR000240 Thickness: **2.0mm**, Purity: 99.99 + %, Size: 25x25 mm to 100x100 mm

CR000360 Thickness: **3.0mm**, Purity: 99.95%, Temper: Hard, Size: 50x50 mm to 100x100 mm



Sputtering Target

CR009301 Thickness: **3.0mm**, Purity: 99.9%, Size: 50 mm

Metals

CR009300 Thickness: **3.0mm**, Purity: 99.95%, Size: 50 mm to 75 mm

CR009601 Thickness: **6.0mm**, Purity: 99.9%, Size: 50 mm

CR009600 Thickness: **6.0mm**, Purity: 99.95%, Size: 50 mm to 75 mm



Rod

CR007905 Diameter: **1.0mm**, Purity: 99.7 + %, Length: 50 mm

CR007910 Diameter: **2.0mm**, Purity: 99.7 + %, Length: 10 mm to 100 mm

CR007920 Diameter: **5.0mm**, Purity: 99.7 + %, Length: 10 mm to 100 mm

CR007930 Diameter: **8.0mm**, Purity: 99.7 + %, Length: 60 mm



Bar

CR008010 Side Length: **2mm**, Side Length (of longer side): 2mm, Purity: 99.7 + %, Length: 100 mm



Powder

CR006031 Mean Particle size: **<10micron**, Purity: 99.0%

CR006021 Max. Particle size: **38micron**, Purity: 99.0 + %

CR006025 Max. Particle size: **45micron**, Min. Particle size: 38micron, Purity: 99.0 + %

CR006020 Max. Particle size: **200micron**, Purity: 99.0 + %



Lump

CR006115 Max. Lump size: **10mm**, Purity: 99.95%, Condition: Pellets

CR006100 Max. Lump size: **10mm**, Purity: 99.99 + %

CR006110 Max. Lump size: **25mm**, Purity: 99.95%



Single Crystal

CR002110 Oriented: **(100)**, Diameter: 10mm, Purity: 99.99%, Length: 2mm, Condition: Unpolished

CR002111 Oriented: **(100)**, Diameter: 10mm, Purity: 99.99%, Length: 2mm, Condition: Polished on 1 side to 1 micron

CR002115 Oriented: **(100)**, Diameter: 14mm, Purity: 99.99%, Length: 1mm, Condition: Unpolished

CR002088 Oriented: **(110)**, Diameter: 9mm, Purity: 99.99%, Length: 5mm

CR002089 Oriented: **(110)**, Diameter: 9mm, Purity: 99.99%, Length: 10mm

CR002090 Oriented: **(110)**, Diameter: 9mm, Purity: 99.99%, Length: 25mm

Cobalt (Co)



Microfoil

CO004500 Thinness: **0.1μm**, Specific density: 94.6 μg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

CO004600 Thinness: **0.25μm**, Specific density: 222 μg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

CO004700 Thinness: **0.5μm**, Specific density: 434 μg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

CO004850 Thinness: **1.0μm**, Specific density: 890 μg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm



Foil

CO000050 Thickness: **0.001mm**, Purity: 99.9%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

CO000060 Thickness: **0.002mm**, Purity: 99.9%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

CO000070 Thickness: **0.0025mm**, Purity: 99.9%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

CO000080 Thickness: **0.003mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

CO000090 Thickness: **0.004mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

CO000100 Thickness: **0.005mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

CO000110 Thickness: **0.006mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

CO000120 Thickness: **0.007mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

CO000130 Thickness: **0.008mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

CO000140 Thickness: **0.009mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

CO000150 Thickness: **0.01mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

CO000160 Thickness: **0.0125mm**, Purity: 99.9%, Size: 50x50 mm to 150x150 mm

CO000170 Thickness: **0.015mm**, Purity: 99.9%, Size: 50x50 mm to 150x150 mm

CO000180 Thickness: **0.02mm**, Purity: 99.9%, Size: 50x50 mm to 100x100 mm

CO000190 Thickness: **0.025mm**, Purity: 99.9%, Size: 50x50 mm to 150x150 mm

CO000200 Thickness: **0.05mm**, Purity: 99.9%, Temper: As rolled, Size: 100x100 mm

CO000201 Thickness: **0.05mm**, Purity: 99.9%, Temper: Annealed, Coil width 250 mm, Size: 100x100 mm to 250x250 mm

CO000210 Thickness: **0.05mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 100x100 mm

CO000240 Thickness: **0.125mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 150x150 mm

CO000241 Thickness: **0.125mm**, Purity: 99.9%, Temper: Annealed, Coil width 250 mm, Size: 100x100 mm to 250x250 mm

CO000270 Thickness: **0.125mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

CO000279 Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

CO000280 Thickness: **0.25mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

CO000282 Thickness: **0.50mm**, Purity: 99.9%, Temper: Annealed, Coil width 250 mm, Size: 100x100 mm to 250x250 mm

CO000281 Thickness: **0.5mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

CO000285 Thickness: **0.7mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm

CO000290 Thickness: **1.0mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

Metals

CO000292 Thickness: **1.0mm**, Purity: 99.9%, Temper: Annealed, Coil width 250 mm, Size: 100x100 mm to 250x250 mm

CO000291 Thickness: **1.0mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

CO000295 Thickness: **2.0mm**, Purity: 99.9%, Temper: As rolled, Size: 50x50 mm to 150x150 mm

CO000300 Thickness: **3.0mm**, Purity: 99.9%, Temper: As rolled, Size: 50x50 mm to 100x100 mm

CO000320 Thickness: **6.0mm**, Purity: 99.9%, Temper: As rolled, Size: 75x75 mm to 195x250 mm



Sputtering Target

CO009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 33 mm

CO009300 Thickness: **3.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm

CO009600 Thickness: **6.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm



Wire

CO005080 Diameter: **0.05mm**, Purity: 99.9%, Temper: Hard

CO005085 Diameter: **0.1mm**, High Purity: 99.99+%, Temper: Hard

CO005090 Diameter: **0.125mm**, High Purity: 99.99+%, Temper: Hard

CO005100 Diameter: **0.25mm**, High Purity: 99.99+%, Temper: Hard

CO005110 Diameter: **0.5mm**, High Purity: 99.99+%, Temper: Hard

CO005120 Diameter: **1.0mm**, High Purity: 99.99+%, Temper: Hard

CO005130 Diameter: **2.0mm**, High Purity: 99.99+%, Temper: Hard



Rod

CO007903 Diameter: **2.0mm**, High Purity: 99.99+%, Temper: Hard, Length: 2 mm

CO007902 Diameter: **2.0mm**, High Purity: 99.99+%, Temper: Hard, Length: 25 mm to 200 mm

CO007905 Diameter: **3.0mm**, Purity: 99.9%, Temper: As drawn, Length: 50 mm to 1000 mm

CO007910 Diameter: **5.0mm**, High Purity: 99.99+%, Temper: Hard, Length: 25 mm to 50 mm

CO007915 Diameter: **6.35mm**, Purity: 99.9%, Temper: As drawn, Length: 50 mm to 1000 mm

CO007930 Diameter: **12mm**, Purity: 99.9%, Temper: As drawn, Length: 25 mm to 200 mm

CO007940 Diameter: **25mm**, Purity: 99.9%, Temper: As drawn, Length: 100 mm



Powder

CO006040 Max. Particle size: **45micron**, Purity: 99.8%

CO006011 Max. Particle size: **100micron**, Min. Particle size: 50micron, Purity: 99.9%

CO006035 Max. Particle size: **840micron**, High Purity: 99.99+%



Lump

CO006100 Max. Lump size: **10mm**, Purity: 99.9%, Condition: Pellets

CO006110 Max. Lump size: **10mm**, High Purity: 99.99+%, Condition: Pellets

CO006120 Max. Lump size: **40mm**, Purity: 99.8%, Condition: Nominal 30mm rounds



Single Crystal

CO002090 Oriented: **(0001)**, Diameter: 10mm, Purity: 99.999%, Length: 10mm

CO002100 Oriented: **(0001)**, Diameter: 10mm, Purity: 99.999%, Length: 20mm

CO002111 Oriented: **(0001)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Unpolished

CO002112 Oriented: **(0001)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Polished on 1 side to 1 micron

CO002110 Oriented: **(0001)**, Diameter: 12mm, Purity: 99.999%, Length: 25mm

Copper (Cu)



Microfoil

CU004500 Thinness: **0.1μm**, Specific density: 86.2 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

CU004600 Thinness: **0.25μm**, Specific density: 219.9 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

CU004700 Thinness: **0.5μm**, Specific density: 448 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

CU004850 Thinness: **1.0μm**, Specific density: 899 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm



Foil

CU000080 Thickness: **0.0005mm**, Purity: 99.97%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

CU000090 Thickness: **0.00075mm**, Purity: 99.97%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

CU000100 Thickness: **0.001mm**, Purity: 99.97%, Size: 25x25 mm to 50x50 mm

CU000105 Thickness: **0.0015mm**, Purity: 99.97%, Size: 25x25 mm to 50x50 mm

CU000110 Thickness: **0.002mm**, Purity: 99.97%, Size: 25x25 mm to 100x100 mm

CU000201 Thickness: **0.0025mm**, Purity: 99.9%, Support: Permanent Aluminum 0.04mm, Size: 25x25 mm to 300x300 mm

CU000120 Thickness: **0.0025mm**, Purity: 99.97%, Size: 25x25 mm to 100x100 mm

CU000130 Thickness: **0.003mm**, Purity: 99.97%, Size: 25x25 mm to 100x100 mm

CU000140 Thickness: **0.004mm**, Purity: 99.97%, Size: 25x25 mm to 100x100 mm

CU000211 Thickness: **0.005mm**, Purity: 99.9%, Support: Permanent Aluminum 0.04mm, Size: 150x150 mm to 300x300 mm

CU000150 Thickness: **0.005mm**, Purity: 99.97%, Size: 25x25 mm to 100x100 mm

CU000160 Thickness: **0.006mm**, Purity: 99.97%, Size: 50x50 mm to 100x100 mm

CU000170 Thickness: **0.007mm**, Purity: 99.97%, Size: 50x50 mm to 100x100 mm

CU000200 Thickness: **0.0076mm**, Purity: 99.9%, Coil width 5 mm Length: 1 m to 20 m

Metals

CU000202 Thickness: 0.0076mm , Purity: 99.9%, Coil width 6 mm Length : 1 m to 50 m	CU000373 Thickness: 0.025mm , Purity: 99.9%, Temper: Annealed, Coil width 4 mm Length : 1 m to 50 m
CU000203 Thickness: 0.0076mm , Purity: 99.9%, Coil width 6.6 mm Length : 1 m to 50 m	CU000355 Thickness: 0.025mm , Purity: 99.9%, Temper: Annealed, Coil width 12 mm Length : 1 m to 100 m
CU000204 Thickness: 0.0076mm , Purity: 99.9%, Coil width 7.5 mm Length : 1 m to 50 m	CU000357 Thickness: 0.025mm , Purity: 99.9%, Temper: Annealed, Coil width 19 mm Length : 1 m to 50 m
CU000205 Thickness: 0.0076mm , Purity: 99.9%, Coil width 8.5 mm Length : 1 m to 50 m	CU000358 Thickness: 0.025mm , Purity: 99.9%, Temper: Annealed, Coil width 25 mm Length : 1 m to 50 m
CU000206 Thickness: 0.0076mm , Purity: 99.9%, Coil width 8.7 mm Length : 1 m to 50 m	CU000359 Thickness: 0.025mm , Purity: 99.9%, Temper: Half hard, Coil width 38 mm Length : 1 m to 100 m
CU000207 Thickness: 0.0076mm , Purity: 99.9%, Coil width 10.8 mm Length : 1 m to 50 m	CU000372 Thickness: 0.025mm , Purity: 99.9%, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000208 Thickness: 0.0076mm , Purity: 99.9%, Coil width 12.5 mm Length : 1 m to 50 m	CU000371 Thickness: 0.025mm , Purity: 99.9%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000215 Thickness: 0.0078mm , High Purity: 99.99 + %, Coil width 200 mm, Size: 50x50 mm to 200x300 mm	CU000420 Thickness: 0.025mm , Purity: 99.95%, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
CU000220 Thickness: 0.008mm , Purity: 99.9%, Coil width 150 mm, Size: 100x100 mm to 150x150 mm	CU000410 Thickness: 0.025mm , High Purity: 99.99 + %, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000180 Thickness: 0.009mm , Purity: 99.97%, Size: 50x50 mm to 100x100 mm	CU000475 Thickness: 0.03mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm
CU000229 Thickness: 0.01mm , Purity: 99.9%, Coil width 19 mm Length : 1 m to 200 m	CU000430 Thickness: 0.034mm , Purity: 99.95%, Coil width 350 mm, Size: 25x25 mm to 300x300 mm
CU000230 Thickness: 0.01mm , Purity: 99.9%, Coil width 150 mm, Size: 150x150 mm	CU000462 Thickness: 0.038mm , Purity: 99.9%, Ribbon width 0.25 mm Length : 1 m to 50 m
CU000251 Thickness: 0.01mm , High Purity: 99.99 + %, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000450 Thickness: 0.038mm , Purity: 99.9%, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000260 Thickness: 0.012mm , Purity: 99.99 + %, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000460 Thickness: 0.038mm , Purity: 99.9%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000300 Thickness: 0.0125mm , Purity: 99.9%, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000463 Thickness: 0.04mm , Purity: 99.9%, Temper: Half hard, Coil width 6.35 mm Length : 1 m to 100 m
CU000280 Thickness: 0.0125mm , Purity: 99.95%, Coil width 355 mm, Size: 25x25 mm to 150x150 mm	CU000464 Thickness: 0.04mm , Purity: 99.9%, Temper: Half hard, Coil width 9.5 mm Length : 1 m to 100 m
CU000270 Thickness: 0.0125mm , High Purity: 99.99 + %, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000423 Thickness: 0.04mm , Purity: 99.9%, Temper: Half hard, Coil width 10 mm Length : 1 m to 50 m
CU000271 Thickness: 0.013mm , Purity: 99.99 + %, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000424 Thickness: 0.04mm , Purity: 99.9%, Temper: Annealed, Coil width 12 mm Length : 1 m to 50 m
CU000272 Thickness: 0.014mm , Purity: 99.99 + %, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000465 Thickness: 0.04mm , Purity: 99.9%, Temper: Half hard, Coil width 25 mm Length : 1 m to 50 m
CU000190 Thickness: 0.015mm , Purity: 99.97%, Size: 100x100 mm to 150x150 mm	CU000466 Thickness: 0.045mm , Purity: 99.9%, Temper: Half hard, Coil width 25.4 mm Length : 1 m to 100 m
CU000273 Thickness: 0.015mm , Purity: 99.99 + %, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000467 Thickness: 0.05mm , Purity: 99.9%, Temper: Annealed, Coil width 3.2 mm Length : 1 m to 100 m
CU000320 Thickness: 0.0175mm , Purity: 99.9%, Coil width 300 mm, Size: 25x25 mm to 300x300 mm	CU000468 Thickness: 0.05mm , Purity: 99.9%, Temper: Annealed, Coil width 6 mm Length : 1 m to 100 m
CU000340 Thickness: 0.02mm , Purity: 99.9%, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000469 Thickness: 0.05mm , Purity: 99.9%, Temper: Annealed, Coil width 8 mm Length : 1 m to 500 m
CU000350 Thickness: 0.02mm , High Purity: 99.99 + %, Coil width 300 mm, Size: 25x25 mm to 200x300 mm	CU000472 Thickness: 0.05mm , Purity: 99.9%, Temper: Annealed, Coil width 10 mm Length : 1 m to 500 m
CU000351 Thickness: 0.022mm , Purity: 99.9%, Ribbon width 0.45 mm Length : 1 m to 100 m	
CU000352 Thickness: 0.022mm , Purity: 99.9%, Coil width 6.5 mm Length : 1 m to 50 m	
CU000356 Thickness: 0.022mm , Purity: 99.9%, Coil width 14.3 mm Length : 1 m to 100 m	
CU000354 Thickness: 0.025mm , Purity: 99.9%, Temper: Half hard, Coil width 2.5 mm Length : 1 m to 50 m	

Metals

CU000495	Thickness: 0.05mm , Purity: 99.9%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000583	Thickness: 0.125mm , Purity: 99.9%, Temper: Annealed, Coil width 50.8 mm Length : 0.5 m to 20 m
CU000500	Thickness: 0.05mm , Purity: 99.9%, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm	CU000591	Thickness: 0.125mm , Purity: 99.9%, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000496	Thickness: 0.05mm , Purity: 99.9%, Temper: Annealed, Coil width 300 mm Length : 0.5 m to 10 m	CU000590	Thickness: 0.125mm , Purity: 99.9%, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000491	Thickness: 0.05mm , High Purity: 99.99+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000585	Thickness: 0.125mm , Purity: 99.9%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000520	Thickness: 0.068mm , Purity: 99.95%, Size: 25x25 mm to 300x300 mm	CU000600	Thickness: 0.125mm , High Purity: 99.99+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000531	Thickness: 0.075mm , Purity: 99.9%, Temper: Annealed, Coil width 10 mm Length : 1 m to 50 m	CU000640	Thickness: 0.15mm , Purity: 99.9%, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000541	Thickness: 0.075mm , Purity: 99.9%, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000650	Thickness: 0.15mm , Purity: 99.9%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000540	Thickness: 0.075mm , Purity: 99.9%, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000641	Thickness: 0.15mm , Purity: 99.9%, Temper: Half hard, Coil width 300 mm, Size: 300x300 mm
CU000530	Thickness: 0.075mm , Purity: 99.9%, Temper: Annealed, Coil width 165 mm, Size: 25x25 mm to 150x150 mm	CU000642	Thickness: 0.15mm , Purity: 99.9%, Temper: Half hard, Condition: Flattened, Size: 150x150 mm to 300x450 mm
CU000542	Thickness: 0.075mm , Purity: 99.9%, Temper: Half hard, Coil width 300 mm, Size: 300x300 mm	CU000630	Thickness: 0.15mm , High Purity: 99.99+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000532	Thickness: 0.075mm , Purity: 99.9%, Temper: Annealed, Condition: Flattened, Size: 150x150 mm to 300x450 mm	CU000652	Thickness: 0.25mm , Purity: 99.9%, Temper: Half hard, Coil width 1.4 mm Length : 1 m to 50 m
CU000550	Thickness: 0.075mm , High Purity: 99.99+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000701	Thickness: 0.25mm , Purity: 99.9%, Polished on one side: Polish : 0.1µm Ra or better, Diameter: 9 mm
CU000548	Thickness: 0.1mm , Purity: 99.9%, Temper: Annealed, Coil width 1 mm Length : 0.1 m to 10 m	CU000700	Thickness: 0.25mm , Purity: 99.9%, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
CU000551	Thickness: 0.1mm , Purity: 99.9%, Temper: Half hard, Coil width 1.5 mm Length : 1 m to 50 m	CU000720	Thickness: 0.25mm , Purity: 99.9%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
CU000553	Thickness: 0.1mm , Purity: 99.9%, Temper: Annealed, Coil width 3 mm Length : 1 m to 10 m	CU000680	Thickness: 0.25mm , High Purity: 99.99+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000552	Thickness: 0.1mm , Purity: 99.9%, Temper: As rolled, Coil width 4.8 mm Length : 1 m to 50 m	CU000695	Thickness: 0.3mm , Purity: 99.9%, Temper: Half hard, Coil width 80 mm Length : 1 m to 10 m
CU000554	Thickness: 0.1mm , Purity: 99.9%, Temper: Annealed, Coil width 10 mm Length : 5 m to 20 m	CU000691	Thickness: 0.3mm , Purity: 99.9%, Temper: Annealed, Condition: Flattened, Size: 25x25 mm to 300x450 mm
CU000556	Thickness: 0.1mm , Purity: 99.9%, Temper: Half hard, Coil width 16 mm Length : 1 m to 50 m	CU000690	Thickness: 0.3mm , Purity: 99.9%, Temper: Half hard, Condition: Flattened, Size: 25x25 mm to 300x300 mm
CU000557	Thickness: 0.1mm , Purity: 99.9%, Temper: Half hard, Diameter: 12 mm	CU000743	Thickness: 0.5mm , Purity: 99.9%, Temper: Half hard, Size: 25x25 mm to 300x300 mm
CU000555	Thickness: 0.1mm , Purity: 99.9%, Temper: Annealed, Coil width 25.4 mm Length : 1 m to 50 m	CU000745	Thickness: 0.5mm , High Purity: 99.99+%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
CU000565	Thickness: 0.1mm , Purity: 99.9%, Temper: Annealed, Coil width 165 mm, Size: 25x25 mm to 150x150 mm	CU000746	Thickness: 0.7mm , Purity: 99.9%, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
CU000560	Thickness: 0.1mm , Purity: 99.9%, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm	CU000750	Thickness: 1.0mm , Purity: 99.9%, Polished on one side: Polish : 0.1µm Ra or better, Size: 10x10 mm
CU000570	Thickness: 0.1mm , High Purity: 99.99+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000751	Thickness: 1.0mm , Purity: 99.9%, Condition: Polished on both sides, Size: 50x50 mm to 100x100 mm
CU000580	Thickness: 0.11mm , Purity: 99.95%, Coil width 380 mm, Size: 25x25 mm to 300x300 mm		

Metals

CU000747 Thickness: **1.0mm**, Purity: 99.9%, Temper: Half hard, Size: 25x25 mm to 300x300 mm

CU000749 Thickness: **1.0mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 300x300 mm

CU000748 Thickness: **1.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

CU000760 Thickness: **1.6mm**, Purity: 99.9%, Temper: Half hard, Size: 25x25 mm to 300x300 mm

CU000761 Thickness: **1.6mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm

CU000765 Thickness: **2.0mm**, Purity: 99.9%, Temper: Half hard, Size: 25x25 mm to 300x300 mm

CU000766 Thickness: **2.0mm**, High Purity: 99.99 + %, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CU000770 Thickness: **3.25mm**, Purity: 99.9%, Temper: Half hard, Size: 25x25 mm to 300x300 mm



Sputtering Target

CU009300 Thickness: **3.0mm**, High Purity: 99.99 + %, Size: 50 mm to 75 mm

CU009600 Thickness: **6.0mm**, High Purity: 99.99 + %, Size: 50 mm to 75 mm



Mesh

CU008725 Nominal Aperture: **0.14mm**, Thickness: 0.25mm, Wire diameter: 0.115mm, Wires/inch: 100x100, Open area: 30.3%, Type: Plain weave mesh, Length, Size: 100x100 mm to 900x900 mm

CU008720 Nominal Aperture: **0.2mm**, Thickness: 0.004mm, Wire diameter: 0.0125mm, Wires/inch: 118, Open area: 88%, Type: Electro-formed mesh, Size: 30x30 mm to 260x260 mm

CU008710 Nominal Aperture: **0.38mm**, Wire diameter: 0.25mm, Wires/inch: 40x40, Open area: 37%, Type: Plain weave mesh, Size: 100x100 mm to 900x900 mm



Wire

CU005110 Diameter: **0.01mm**, Purity: 99.99%, Temper: Hard

CU005170 Diameter: **0.02mm**, Purity: 99.99 + %, Temper: Hard

CU005171 Diameter: **0.02mm**, Purity: 99.99 + %, Temper: Annealed

CU005195 Diameter: **0.025mm**, Purity: 99.99 + %, Temper: As drawn

CU005202 Diameter: **0.04mm**, Purity: 99.9%, Temper: Hard

CU005200 Diameter: **0.04mm**, Purity: 99.9%, Temper: Annealed

CU005215 Diameter: **0.05mm**, Purity: 99.9%, Temper: Annealed

CU005198 Diameter: **0.05mm**, Purity: 99.99 + %, Temper: As drawn

CU005220 Diameter: **0.075mm**, Purity: 99.9%, Temper: Annealed

CU005300 Diameter: **0.1mm**, Purity: 99.9%, Cladding: Aluminum, Outside diameter: 0.25mm

CU005240 Diameter: **0.1mm**, Purity: 99.9%, Temper: Annealed

CU005250 Diameter: **0.125mm**, Purity: 99.9%, Temper: Annealed

CU005252 Diameter: **0.125mm**, High Purity: 99.99 + %, Temper: As drawn

CU005350 Diameter: **0.15mm**, Purity: 99.9%, Temper: Annealed, Condition: Silver plated wire

CU005270 Diameter: **0.25mm**, Purity: 99.9%, Temper: Annealed

CU005260 Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: As drawn

CU005280 Diameter: **0.5mm**, Purity: 99.9%, Temper: Annealed

CU005380 Diameter: **0.5mm**, Purity: 99.9%, Temper: Annealed, Condition: Silver plated wire

CU005282 Diameter: **0.5mm**, Purity: 99.98 + %, Temper: As drawn

CU005285 Diameter: **0.5mm**, High Purity: 99.999%, Temper: As drawn

CU005286 Diameter: **0.75mm**, Purity: 99.98 + %, Temper: As drawn

CU005290 Diameter: **1.0mm**, Purity: 99.9%, Temper: Annealed

CU005293 Diameter: **1.0mm**, Purity: 99.98 + %, Temper: As drawn

CU005295 Diameter: **1.0mm**, High Purity: 99.99 + %, Temper: As drawn



Insulated Wire

CU005812 Conductor diameter: **0.012mm**, Insulation thickness: 0.006mm, Purity: 99.99%, Insulation: Polyurethane

CU005818 Conductor diameter: **0.018mm**, Insulation thickness: 0.005mm, Purity: 99.99%, Insulation: Polyurethane

CU005825 Conductor diameter: **0.025mm**, Insulation thickness: 0.005mm, Purity: 99.99%, Insulation: Polyurethane

CU005840 Conductor diameter: **0.040mm**, Insulation thickness: 0.002mm, Purity: 99.9%, Insulation: 2 micron Polyesterimide

CU005850 Conductor diameter: **0.05mm**, Insulation thickness: 0.002mm, Purity: 99.9%, Insulation: 2 micron Polyesterimide

CU005891 Conductor diameter: **0.1mm**, Insulation thickness: 0.005mm, Purity: 99.9%, Insulation: Polyurethane

CU005890 Conductor diameter: **0.1mm**, Insulation thickness: 0.015mm, Purity: 99.9%, Insulation: 10-30 micron Polyesterimide

CU005868 Conductor diameter: **0.1mm**, Insulation thickness: 0.01mm, Purity: 99.99%, Insulation: Teflon

CU005895 Conductor diameter: **0.125mm**, Insulation thickness: 0.002mm, Purity: 99.9%, Insulation: 2 micron Polyesterimide

CU005865 Conductor diameter: **0.125mm**, Insulation thickness: 0.01mm, Purity: 99.99%, Insulation: Polyimide

CU005894 Conductor diameter: **0.2mm**, Insulation thickness: 0.08mm, Insulation: Polyimide

CU005893 Conductor diameter: **0.24mm**, Insulation thickness: 0.25mm, Insulation: Teflon

CU005886 Conductor diameter: **0.4mm**, Insulation thickness: 0.025mm, Purity: 99.99%, Insulation: Polyimide

CU005885 Conductor diameter: **0.45mm**, Insulation thickness: 0.25mm, Insulation: Teflon

Metals

- CU005897** Conductor diameter: **0.5mm**, Insulation thickness: 0.06mm, Insulation: Polyimide
- CU005887** Conductor diameter: **0.5mm**, Insulation thickness: 0.025mm, Purity: 99.99%, Insulation: Polyimide
- CU005889** Conductor diameter: **0.7mm**, Insulation thickness: 0.01mm, Insulation: Polyurethane
- CU005898** Conductor diameter: **1.0mm**, Insulation thickness: 0.25mm, Insulation: Teflon



Rod

- CU007905** Diameter: **2.0mm**, Purity: 99.99+%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007910** Diameter: **3.2mm**, Purity: 99.9%, Temper: Hard, Length: 100 mm to 1000 mm
- CU007920** Diameter: **3.2mm**, High Purity: 99.99+%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007930** Diameter: **4.8mm**, Purity: 99.9%, Temper: Hard, Length: 100 mm to 1000 mm
- CU007940** Diameter: **4.8mm**, High Purity: 99.99+%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007945** Diameter: **5.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 50 mm to 500 mm
- CU007948** Diameter: **6.35mm**, High Purity: 99.999%, Temper: As drawn, Length: 50 mm to 500 mm
- CU007950** Diameter: **9.5mm**, Purity: 99.9%, Temper: Hard, Length: 100 mm to 1000 mm
- CU007955** Diameter: **9.5mm**, High Purity: 99.99+%, Temper: As drawn, Length: 100 mm to 500 mm
- CU007960** Diameter: **12.7mm**, High Purity: 99.99+%, Temper: As drawn, Length: 50 mm to 200 mm
- CU007965** Diameter: **16mm**, High Purity: 99.99+%, Temper: As drawn, Length: 50 mm to 200 mm
- CU007970** Diameter: **19.0mm**, High Purity: 99.99+%, Temper: As drawn, Length: 25 mm to 200 mm
- CU007980** Diameter: **20.6mm**, Purity: 99.9%, Temper: Hard, Length: 100 mm to 1000 mm
- CU007981** Diameter: **20.6mm**, Purity: 99.9%, Temper: Half hard, Length: 100 mm to 200 mm



Bar

- CU008021** Side Length: **8.0mm**, Side Length (of longer side): 52mm, High Purity: 99.995%, Length: 50 mm to 200 mm



Tube

- CU007050** Outside Diameter: **0.25mm**, Wall Thickness: 0.1mm, Purity: 99.9%, Inside Diameter: 0.05mm, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007100** Outside Diameter: **0.5mm**, Wall Thickness: 0.14mm, Purity: 99.9%, Inside Diameter: 0.22mm, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007110** Outside Diameter: **0.65mm**, Wall Thickness: 0.22mm, Purity: 99.9%, Inside Diameter: 0.21mm, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007130** Outside Diameter: **0.75mm**, Wall Thickness: 0.26mm, Purity: 99.9%, Inside Diameter: 0.23mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007170** Outside Diameter: **0.95mm**, Wall Thickness: 0.33mm, Purity: 99.9%, Inside Diameter: 0.29mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007180** Outside Diameter: **1.0mm**, Wall Thickness: 0.38mm, Purity: 99.9%, Inside Diameter: 0.24mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007220** Outside Diameter: **1.2mm**, Wall Thickness: 0.32mm, Purity: 99.9%, Inside Diameter: 0.56mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007270** Outside Diameter: **1.5mm**, Wall Thickness: 0.5mm, Purity: 99.9%, Inside Diameter: 0.5mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007310** Outside Diameter: **1.75mm**, Wall Thickness: 0.71mm, Purity: 99.9%, Inside Diameter: 0.33mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007375** Outside Diameter: **2.0mm**, Wall Thickness: 0.2mm, Purity: 99.9%, Inside Diameter: 1.6mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007395** Outside Diameter: **2.5mm**, Wall Thickness: 0.3mm, Purity: 99.9%, Inside Diameter: 1.9mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007410** Outside Diameter: **3.0mm**, Wall Thickness: 0.9mm, Purity: 99.9%, Inside Diameter: 1.2mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007440** Outside Diameter: **3.5mm**, Wall Thickness: 0.97mm, Purity: 99.9%, Inside Diameter: 1.56mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007425** Outside Diameter: **4.0mm**, Wall Thickness: 0.4mm, Purity: 99.9%, Inside Diameter: 3.2mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007450** Outside Diameter: **5.0mm**, Wall Thickness: 0.5mm, Purity: 99.9%, Inside Diameter: 4mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007600** Outside Diameter: **6.0mm**, Wall Thickness: 1.0mm, Purity: 99.9%, Inside Diameter: 4mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007620** Outside Diameter: **6.35mm**, Wall Thickness: 0.71mm, Purity: 99.9%, Inside Diameter: 4.93mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007645** Outside Diameter: **10.4mm**, Wall Thickness: 0.2mm, Purity: 99.9%, Inside Diameter: 10mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007650** Outside Diameter: **12.7mm**, Wall Thickness: 1.22mm, Purity: 99.9%, Inside Diameter: 10.26mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007700** Outside Diameter: **25.4mm**, Wall Thickness: 3.25mm, Purity: 99.9%, Inside Diameter: 18.9mm, Temper: As drawn, Length: 100 mm to 1000 mm



Powder

- CU006040** Mean Particle size: **1-5micron**, Purity: 99.8%
- CU006022** Max. Particle size: **5micron**, Purity: 99%, Condition: Spherical powder
- CU006020** Max. Particle size: **50micron**, Purity: 99%
- CU006025** Max. Particle size: **150micron**, Purity: 99%, Condition: Spherical powder
- CU006045** Max. Particle size: **200micron**, Purity: 99.8%
- CU006030** Max. Particle size: **800micron**, High Purity: 99.99+%

Metals



Lump

- CU006101** Max. Lump size: **5mm**, High Purity: 99.99 + %, Condition: Pellets
- CU006102** Max. Lump size: **5mm**, High Purity: 99.9999%, Condition: Pellets
- CU006105** Max. Lump size: **6.35mm**, High Purity: 99.9999%, Condition: Shot
- CU006100** Max. Lump size: **10mm**, High Purity: 99.99 + %, Condition: Pellets
- CU006110** Max. Lump size: **10mm**, High Purity: 99.999%, Condition: Pellets



Sphere

- CU006820** Diameter: **1.0mm**
- CU006840** Diameter: **3.0mm**



Single Crystal

- CU002101** Oriented: **(100)**, Diameter: 10mm, Purity: 99.999%, Length: 1mm, Condition: Unpolished
- CU002102** Oriented: **(100)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Polished on 1 side to 1 micron
- CU002105** Oriented: **(100)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Unpolished
- CU002116** Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 25mm
- CU002117** Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 10mm
- CU002103** Oriented: **(110)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Polished on 1 side to 1 micron
- CU002106** Oriented: **(110)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Unpolished
- CU002110** Oriented: **(110)**, Diameter: 12mm, Purity: 99.999%, Length: 10mm
- CU002115** Oriented: **(110)**, Diameter: 12mm, Purity: 99.999%, Length: 25mm
- CU002120** Oriented: **(110)**, Diameter: 12mm, Purity: 99.999%, Length: 50mm
- CU002104** Oriented: **(111)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Polished on 1 side to 1 micron
- CU002107** Oriented: **(111)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Unpolished
- CU002130** Oriented: **(111)**, Diameter: 12mm, Purity: 99.999%, Length: 10mm
- CU002131** Oriented: **(111)**, Diameter: 12mm, Purity: 99.999%, Length: 25mm
- CU002132** Oriented: **(111)**, Diameter: 12mm, Purity: 99.999%, Length: 50mm

Copper - O.F.H.C. (Cu - OFHC)



Foil

- CV000311** Thickness: **0.010mm**, Purity: 99.95 + %, Temper: Hard, Coil width 25 mm Length : 1 m to 20 m
- CV000310** Thickness: **0.010mm**, Purity: 99.95 + %, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CV000370** Thickness: **0.025mm**, Purity: 99.95 + %, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

- CV000503** Thickness: **0.05mm**, Purity: 99.95 + %, Temper: Annealed, Coil width 10 mm Length : 1 m to 50 m
- CV000500** Thickness: **0.05mm**, Purity: 99.95 + %, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CV000501** Thickness: **0.05mm**, Purity: 99.95 + %, Temper: Hard, Coil width 300 mm Length : 0.5 m to 10 m
- CV000504** Thickness: **0.05mm**, Purity: 99.95 + %, Temper: Half hard, Coil width 300 mm Length : 0.5 m to 10 m
- CV000502** Thickness: **0.05mm**, Purity: 99.95 + %, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 150x150 mm
- CV000540** Thickness: **0.075mm**, Purity: 99.95 + %, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CV000562** Thickness: **0.1mm**, Purity: 99.95 + %, Temper: Hard, Coil width 100 mm Length : 0.5 m to 20 m
- CV000560** Thickness: **0.1mm**, Purity: 99.95 + %, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CV000561** Thickness: **0.1mm**, Purity: 99.95 + %, Temper: Hard, Coil width 300 mm, Size: 300x300 mm
- CV000565** Thickness: **0.1mm**, Purity: 99.95 + %, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- CV000564** Thickness: **0.1mm**, Purity: 99.95 + %, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- CV000590** Thickness: **0.125mm**, Purity: 99.95 + %, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CV000640** Thickness: **0.15mm**, Purity: 99.95 + %, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CV000670** Thickness: **0.20mm**, Purity: 99.95 + %, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- CV000700** Thickness: **0.25mm**, Purity: 99.95 + %, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- CV000702** Thickness: **0.25mm**, Purity: 99.95 + %, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- CV000743** Thickness: **0.5mm**, Purity: 99.95 + %, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- CV000747** Thickness: **0.7mm**, Purity: 99.95 + %, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- CV000749** Thickness: **1.0mm**, Purity: 99.95 + %, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CV000756** Thickness: **1.6mm**, Purity: 99.95 + %, Temper: Hard, Size: 150x150 mm to 300x300 mm
- CV000755** Thickness: **1.6mm**, Purity: 99.95 + %, Temper: Half hard, Size: 150x150 mm
- CV000765** Thickness: **2.0mm**, Purity: 99.95 + %, Temper: Half hard, Size: 25x25 mm to 300x300 mm



Sheet

- CV003020** Thickness: **3.0mm**, Purity: 99.95 + %, Size: 100x100 mm to 300x300 mm
- CV003050** Thickness: **4.76mm**, Purity: 99.95 + %, Size: 50x50 mm to 300x300 mm

Metals

CV003100 Thickness: **6.35mm**, Purity: 99.95 + %, Size: 50x50 mm to 300x300 mm

CV003120 Thickness: **12.7mm**, Purity: 99.95 + %, Size: 100x100 mm to 305x305 mm

CV003125 Thickness: **25.4mm**, Purity: 99.95 + %, Size: 101x102 mm

**Wire**

CV005270 Diameter: **0.125mm**, Purity: 99.95 + %, Temper: Annealed

CV005280 Diameter: **0.25mm**, Purity: 99.95 + %, Temper: As drawn

CV005282 Diameter: **0.5mm**, Purity: 99.95 + %, Temper: As drawn

CV005286 Diameter: **0.75mm**, Purity: 99.95 + %, Temper: As drawn

CV005293 Diameter: **1.0mm**, Purity: 99.95 + %, Temper: As drawn

CV005294 Diameter: **2.0mm**, Purity: 99.95 + %, Temper: Hard

CV005296 Diameter: **2.5mm**, Purity: 99.95 + %, Temper: Hard

**Rod**

CV007910 Diameter: **3.15mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm

CV007945 Diameter: **6.35mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm

CV007950 Diameter: **9.5mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm

CV007960 Diameter: **12.7mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm

CV007965 Diameter: **16mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm

CV007970 Diameter: **25.4mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm

CV007971 Diameter: **25.4mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 25 mm to 200 mm

CV007975 Diameter: **38.1mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm

CV007980 Diameter: **50.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 50 mm to 500 mm

CV007985 Diameter: **63.5mm**, Purity: 99.95 + %, Temper: As drawn, Length: 50 mm to 200 mm

CV007988 Diameter: **76mm**, Purity: 99.95 + %, Temper: As drawn, Length: 52 mm to 200 mm

**Tube**

CV007040 Outside Diameter: **0.38mm**, Wall Thickness: 0.08mm, Purity: 99.95 + %, Inside Diameter: 0.22mm, Length: 100 mm to 1000 mm

CV007060 Outside Diameter: **0.635mm**, Wall Thickness: 0.18mm, Purity: 99.95 + %, Inside Diameter: 0.275mm, Length: 100 mm to 1000 mm

CV007090 Outside Diameter: **0.9mm**, Wall Thickness: 0.17mm, Purity: 99.95 + %, Inside Diameter: 0.56mm, Length: 100 mm to 1000 mm

CV007120 Outside Diameter: **1.23mm**, Wall Thickness: 0.36mm, Purity: 99.95 + %, Inside Diameter: 0.51mm, Length: 100 mm to 1000 mm

CV007180 Outside Diameter: **1.78mm**, Wall Thickness: 0.49mm, Purity: 99.95 + %, Inside Diameter: 0.8mm, Length: 100 mm to 1000 mm

CV007250 Outside Diameter: **2.54mm**, Wall Thickness: 0.5mm, Purity: 99.95 + %, Inside Diameter: 1.54mm, Length: 100 mm to 1000 mm

CV007300 Outside Diameter: **3.2mm**, Wall Thickness: 0.4mm, Purity: 99.95 + %, Inside Diameter: 2.4mm, Length: 100 mm to 1000 mm

CV007390 Outside Diameter: **3.92mm**, Wall Thickness: 0.1mm, Purity: 99.95 + %, Inside Diameter: 3.72mm, Length: 100 mm to 500 mm

CV007400 Outside Diameter: **4.0mm**, Wall Thickness: 0.5mm, Purity: 99.95 + %, Inside Diameter: 3mm, Length: 100 mm to 1000 mm

CV007450 Outside Diameter: **6.0mm**, Wall Thickness: 1.0mm, Purity: 99.95 + %, Inside Diameter: 4mm, Length: 100 mm to 1000 mm

CV007600 Outside Diameter: **8.0mm**, Wall Thickness: 1.0mm, Purity: 99.95 + %, Inside Diameter: 6mm, Length: 100 mm to 1000 mm

CV007700 Outside Diameter: **9.5mm**, Wall Thickness: 0.8mm, Purity: 99.95 + %, Inside Diameter: 7.9mm, Length: 100 mm to 1000 mm

CV007800 Outside Diameter: **10mm**, Wall Thickness: 1.0mm, Purity: 99.95 + %, Inside Diameter: 8mm, Length: 100 mm to 1000 mm

Dysprosium (Dy)

**Foil**

DY000200 Thickness: **0.005mm**, Purity: 99.9%, Temper: As rolled, Size: 5x5 mm to 25x25 mm

DY000210 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

DY000220 Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

DY000225 Thickness: **0.125mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

DY000240 Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Tolerance: 20%, Size: 25x25 mm to 50x50 mm

**Sputtering Target**

DY009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm

**Wire**

DY005105 Diameter: **0.5mm**, Purity: 99.9%, Temper: Hard

DY005110 Diameter: **1.0mm**, Purity: 99.9%, Temper: Hard

**Rod**

DY007905 Diameter: **2.0mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm

DY007910 Diameter: **6.35mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm

**Powder**

DY006010 Max. Particle size: **500micron**, Purity: 99.9%

**Lump**

DY006100 Max. Lump size: **25mm**, Purity: 99.9%

Erbium (Er)

**Foil**

ER000205 Thickness: **0.005mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm

ER000200 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

ER000210 Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 35x35 mm to 70x70 mm

Metals

ER000215 Thickness: **0.125mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

ER000280 Thickness: **1.0mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

ER009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm



Wire

ER005110 Diameter: **1.0mm**, Purity: 99.9%, Temper: Hard



Rod

ER007905 Diameter: **2.0mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm

ER007910 Diameter: **6.35mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm

ER007920 Diameter: **10.0mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm



Powder

ER006010 Max. Particle size: **500micron**, Purity: 99.9%



Lump

ER006100 Max. Lump size: **25mm**, Purity: 99.9%

Europium (Eu)



Foil

EU000200 Thickness: **0.1mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

EU009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm



Wire

EU005110 Diameter: **1.0mm**, Purity: 99.95%, Temper: Hard



Powder

EU006010 Max. Particle size: **250micron**, Purity: 99.9%

Gadolinium (Gd)



Foil

GD000205 Thickness: **0.005mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm

GD000210 Thickness: **0.01mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

GD000230 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

GD000240 Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

GD000250 Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

GD000260 Thickness: **0.5mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

GD000290 Thickness: **2.0mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

GD009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm



Wire

GD005105 Diameter: **0.5mm**, Purity: 99.9%, Temper: Hard



Rod

GD007905 Diameter: **3.0mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm

GD007910 Diameter: **6.35mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm

GD007925 Diameter: **12.5mm**, Purity: 99.9%, Condition: Cast, Length: 25 mm to 100 mm



Powder

GD006010 Max. Particle size: **500micron**, Purity: 99.9%



Lump

GD006100 Max. Lump size: **25mm**, Purity: 99.9%

Gallium (Ga)



Lump

GA006120 Max. Lump size: **25mm**, Purity: 99.99%, Melting Pt.: 29.8C

GA006100 Max. Lump size: **25mm**, High Purity: 99.9999%, Melting Pt.: 29.8C

Germanium (Ge)



Microfoil

GE004600 Thickness: **0.25μm**, Specific density: 166.3 μg.cm⁻², Purity: 99.9999%, Permanent support: 6 micron Aluminum, Size: 25x25 mm to 50x50 mm

GE004700 Thickness: **0.5μm**, Specific density: 333 μg.cm⁻², Purity: 99.9999%, Permanent support: 6 micron Aluminum, Size: 25x25 mm



Sheet

GE003010 Thickness: **0.05mm**, Purity: 99.999%, Condition: Polycrystalline, Size: 4x4 mm

GE003020 Thickness: **0.10mm**, Purity: 99.999%, Condition: Polycrystalline, Size: 10x10 mm

GE003030 Thickness: **0.25mm**, Purity: 99.999%, Condition: Polycrystalline, Size: 10x10 mm

GE003053 Thickness: **0.5mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (111), Electrical type: N-Type, Size: 10x10 mm

GE003052 Thickness: **0.5mm**, Purity: 99.999%, Condition: Single crystal, Size: 50x50 mm

GE003055 Thickness: **0.6mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (111), Electrical type: N-Type, Size: 10x10 mm

GE003121 Thickness: **1.0mm**, Purity: 99.999%, Condition: Polycrystalline, Diameter: 15 mm

GE003100 Thickness: **1.0mm**, Purity: 99.999%, Condition: Single crystal, Diameter: 20 mm

GE003120 Thickness: **1.0mm**, Purity: 99.999%, Condition: Polycrystalline, Size: 6x6 mm to 25x25 mm

GE003101 Thickness: **1.0mm**, Purity: 99.999%, Condition: Single crystal, Size: 25x25 mm

GE003122 Thickness: **1.0mm**, Purity: 99.999%, Condition: Polycrystalline, Size: 50x50 mm

GE003130 Thickness: **3.0mm**, Purity: 99.999%, Condition: Polycrystalline, Size: 25x25 mm

GE003131 Thickness: **3.0mm**, Purity: 99.999%, Condition: Polycrystalline, Size: 50x50 mm



Sputtering Target

GE009200 Thickness: **2.0mm**, Purity: 99.999%, Size: 25.4 mm

Metals

GE009300 Thickness: **3.0mm**, Purity: 99.999%, Size: 25.4 mm to 50.8 mm



Rod

GE007910 Diameter: **2.0mm**, Purity: 99.999%, Condition: Polycrystalline, Electrical type: N-Type, Length: 25 mm to 45 mm

GE007920 Diameter: **5.0mm**, Purity: 99.999%, Condition: Polycrystalline, Electrical type: N-Type, Length: 25 mm to 50 mm

GE007930 Diameter: **6.0mm**, Purity: 99.999%, Condition: Single crystal, Length: 6 mm



Powder

GE006011 Max. Particle size: **150micron**, Purity: 99.999%



Lump

GE006101 Max. Lump size: **10mm**, Purity: 99.999%, Condition: Polycrystalline

GE006100 Max. Lump size: **25mm**, Purity: 99.999%, Condition: Polycrystalline

Gold (Au)



Microfoil

AU004100 Thinness: **0.01μm**, Specific density: 20.7 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

AU004300 Thinness: **0.05μm**, Specific density: 101.3 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

AU004500 Thinness: **0.1μm**, Specific density: 204.1 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

AU004600 Thinness: **0.25μm**, Specific density: 483 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

AU004700 Thinness: **0.5μm**, Specific density: 966 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

AU004800 Thinness: **0.75μm**, Specific density: 1449 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

AU004850 Thinness: **1.0μm**, Specific density: 1932 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm



Microleaf

AU004925 Thinness: **0.25μm**, Specific density: 483 μg.cm⁻², Purity: 99.99+%, Support: Removable, Diameter: 10 mm

AU004950 Thinness: **0.5μm**, Specific density: 966 μg.cm⁻², Purity: 99.99+%, Support: Removable, Diameter: 10 mm

AU004990 Thinness: **1.0μm**, Specific density: 1932 μg.cm⁻², Purity: 99.99+%, Support: Removable, Diameter: 10 mm



Foil

AU000040 Thickness: **0.0005mm**, Purity: 99.9%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

AU000050 Thickness: **0.00075mm**, Purity: 99.9%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

AU000060 Thickness: **0.001mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

AU000065 Thickness: **0.0015mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

AU000070 Thickness: **0.002mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

AU000080 Thickness: **0.0025mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

AU000090 Thickness: **0.003mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

AU000100 Thickness: **0.004mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000110 Thickness: **0.005mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000120 Thickness: **0.006mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000130 Thickness: **0.007mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000140 Thickness: **0.008mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000150 Thickness: **0.009mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000160 Thickness: **0.01mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000310 Thickness: **0.01mm**, Purity: 99.95%, Temper: As rolled, Ribbon width 0.35 mm Length : 0.1 m to 2 m

AU000170 Thickness: **0.0125mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000329 Thickness: **0.0125mm**, Purity: 99.95%, Temper: As rolled, Ribbon width 0.127 mm Length : 0.1 m to 2 m

AU000330 Thickness: **0.0125mm**, Purity: 99.95%, Temper: As rolled, Ribbon width 0.38 mm Length : 0.1 m to 2 m

AU000331 Thickness: **0.0125mm**, Purity: 99.95%, Temper: As rolled, Ribbon width 0.508 mm Length : 0.1 m to 2 m

AU000180 Thickness: **0.015mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000190 Thickness: **0.02mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

AU000342 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Coil width 2 mm Length : 0.05 m to 0.5 m

AU000340 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

AU000341 Thickness: **0.025mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

AU000343 Thickness: **0.05mm**, Purity: 99.95%, Temper: As rolled, Coil width 4 mm Length : 0.05 m to 0.5 m

AU000344 Thickness: **0.05mm**, Purity: 99.95%, Condition: Central 0.06mm diameter hole, Diameter: 8 mm

AU000345 Thickness: **0.05mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

AU000347 Thickness: **0.05mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

AU000349 Thickness: **0.10mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

AU000348 Thickness: **0.10mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

AU000360 Thickness: **0.10mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

Metals

AU000351 Thickness: **0.125mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

AU000350 Thickness: **0.125mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

AU000371 Thickness: **0.250mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 100x100 mm

AU000370 Thickness: **0.250mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 10x10 mm to 50x50 mm

AU000372 Thickness: **0.25mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

AU000380 Thickness: **0.50mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm

AU000390 Thickness: **1.0mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm

AU000400 Thickness: **2.0mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm



Sputtering Target

AU0009202 Thickness: **0.2mm**, Purity: 99.95%, Tolerance: 15%, Size: 25 mm to 57 mm

AU0009203 Thickness: **0.5mm**, Purity: 99.95%, Size: 25 mm to 54 mm

AU0009206 Thickness: **1.0mm**, Purity: 99.95%, Size: 25 mm to 54 mm

AU0009205 Thickness: **1.0mm**, High Purity: 99.999%, Size: 25.4 mm

AU0009207 Thickness: **2.0mm**, High Purity: 99.999%, Size: 25.4 mm to 50.8 mm

AU0009208 Thickness: **3mm**, Purity: 99.95%, Size: 25 mm to 50 mm



Mesh

AU0008721 Nominal Aperture: **0.011mm**, Purity: 99.9%, Thickness: 0.004mm, Wire diameter: 0.005mm, Wires/inch: 1500, Open area: 44%, Type: Electro-formed mesh, Size: 14x25 mm to 50x50 mm

AU0008725 Nominal Aperture: **0.04mm**, Purity: 99.9%, Thickness: 0.006mm, Wire diameter: 0.011mm, Wires/inch: 500, Open area: 60%, Type: Electro-formed mesh, Size: 25x25 mm to 50x50 mm

AU0008730 Nominal Aperture: **0.064mm**, Purity: 99.9%, Thickness: 0.004mm, Wire diameter: 0.0125mm, Wires/inch: 333, Open area: 70%, Type: Electro-formed mesh, Size: 25x25 mm to 50x50 mm

AU0008710 Nominal Aperture: **0.25mm**, Purity: 99.9%, Wire diameter: 0.06mm, Wires/inch: 82x82, Open area: 65%, Type: Plain weave mesh, Size: 20x20 mm to 100x100 mm



Wire

AU0005110 Diameter: **0.01mm**, Purity: 99.99 + %, Temper: Hard

AU0005115 Diameter: **0.0125mm**, Purity: 99.99 + %, Temper: Hard

AU0005120 Diameter: **0.025mm**, Purity: 99.99 + %, Temper: Hard

AU0005121 Diameter: **0.025mm**, Purity: 99.99 + %, Temper: Annealed

AU0005125 Diameter: **0.05mm**, Purity: 99.99 + %, Temper: As drawn

AU0005126 Diameter: **0.05mm**, Purity: 99.99 + %, Temper: Annealed

AU0005130 Diameter: **0.06mm**, Purity: 99.99 + %, Temper: Hard

AU0005133 Diameter: **0.10mm**, High Purity: 99.99 + %, Temper: Annealed

AU0005135 Diameter: **0.125mm**, High Purity: 99.99 + %, Temper: Hard

AU0005137 Diameter: **0.20mm**, High Purity: 99.99 + %, Temper: Annealed

AU0005140 Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: Hard

AU0005145 Diameter: **0.33mm**, Purity: 99.95%, Temper: As drawn

AU0005148 Diameter: **0.40mm**, Purity: 99.95%, Temper: As drawn

AU0005160 Diameter: **0.5mm**, Purity: 99.95%, Temper: As drawn

AU0005150 Diameter: **0.5mm**, High Purity: 99.99 + %, Temper: Hard

AU0005151 Diameter: **0.5mm**, High Purity: 99.999%, Temper: Hard

AU0005165 Diameter: **0.75mm**, Purity: 99.95%, Temper: As drawn

AU0005166 Diameter: **0.75mm**, High Purity: 99.999%, Temper: As drawn

AU0005171 Diameter: **1.0mm**, Purity: 99.95%, Temper: As drawn

AU0005170 Diameter: **1.0mm**, High Purity: 99.99 + %, Temper: Hard

AU0005172 Diameter: **1.0mm**, High Purity: 99.999%, Temper: As drawn



Insulated Wire

AU0005825 Conductor diameter: **0.025mm**, Insulation thickness: 0.002mm, Purity: 99.99%, Insulation: Teflon

AU0005820 Conductor diameter: **0.025mm**, Insulation thickness: 0.005mm, Purity: 99.99%, Insulation: Polyester

AU0005830 Conductor diameter: **0.05mm**, Insulation thickness: 0.007mm, Purity: 99.99%, Insulation: Polyester

AU0005831 Conductor diameter: **0.05mm**, Insulation thickness: 0.007mm, Purity: 99.99%, Insulation: Polyimide

AU0005835 Conductor diameter: **0.05mm**, Insulation thickness: 0.009mm, Purity: 99.99%, Insulation: Teflon

AU0005810 Conductor diameter: **0.075mm**, Insulation thickness: 0.012mm, Purity: 99.99%, Insulation: Teflon

AU0005837 Conductor diameter: **0.10mm**, Insulation thickness: 0.013mm, Purity: 99.99%, Insulation: Teflon

AU0005840 Conductor diameter: **0.125mm**, Insulation thickness: 0.014mm, Purity: 99.99%, Insulation: Polyester

AU0005845 Conductor diameter: **0.125mm**, Insulation thickness: 0.016mm, Purity: 99.99%, Insulation: Teflon

AU0005860 Conductor diameter: **0.30mm**, Insulation thickness: 0.02mm, Purity: 99.99%, Insulation: Teflon



Rod

AU0007905 Diameter: **1.6mm**, Purity: 99.95%, Temper: As drawn, Length: 25 mm to 100 mm

Metals

AU007910 Diameter: **2.0mm**, Purity: 99.95%, Temper: As drawn, Length: 25 mm to 100 mm

AU007920 Diameter: **3.0mm**, Purity: 99.95%, Temper: As drawn, Length: 10 mm to 50 mm

AU007940 Diameter: **4.0mm**, Purity: 99.95%, Temper: As drawn, Length: 10 mm to 25 mm

AU007950 Diameter: **5.0mm**, Purity: 99.95%, Temper: As drawn, Length: 10 mm to 25 mm

AU007960 Diameter: **6.0mm**, Purity: 99.95%, Temper: As drawn, Length: 6 mm

AU007961 Diameter: **6.0mm**, Purity: 99.95%, Temper: As drawn, Length: 10 mm to 25 mm

**Tube**

AU007020 Outside Diameter: **0.15mm**, Wall Thickness: 0.05mm, Purity: 99.95%, Inside Diameter: 0.05mm, Temper: As drawn, Length: 10 mm

AU007050 Outside Diameter: **0.3mm**, Wall Thickness: 0.05mm, Purity: 99.95%, Inside Diameter: 0.2mm, Temper: As drawn, Length: 50 mm to 200 mm

AU007150 Outside Diameter: **1.0mm**, Wall Thickness: 0.25mm, Purity: 99.95%, Inside Diameter: 0.5mm, Temper: As drawn, Length: 50 mm to 200 mm

AU007100 Outside Diameter: **1.0mm**, Wall Thickness: 0.15mm, Purity: 99.95%, Inside Diameter: 0.7mm, Temper: As drawn, Length: 50 mm to 200 mm

AU007180 Outside Diameter: **1.60mm**, Wall Thickness: 0.5mm, Purity: 99.95%, Inside Diameter: 0.6mm, Temper: As drawn, Length: 50 mm to 200 mm

AU007190 Outside Diameter: **1.80mm**, Wall Thickness: 0.5mm, Purity: 99.95%, Inside Diameter: 0.8mm, Temper: As drawn, Length: 50 mm to 200 mm

AU007201 Outside Diameter: **2.0mm**, Wall Thickness: 0.15mm, Purity: 99.95%, Inside Diameter: 1.7mm, Temper: As drawn, Length: 50 mm to 200 mm

AU007200 Outside Diameter: **2.0mm**, Wall Thickness: 0.1mm, Purity: 99.95%, Inside Diameter: 1.8mm, Temper: As drawn, Length: 50 mm to 200 mm

AU007300 Outside Diameter: **3.0mm**, Wall Thickness: 0.15mm, Purity: 99.95%, Inside Diameter: 2.7mm, Temper: As drawn, Length: 50 mm to 200 mm

AU007290 Outside Diameter: **3.0mm**, Wall Thickness: 0.10mm, Purity: 99.95%, Inside Diameter: 2.8mm, Temper: As drawn, Length: 50 mm to 200 mm

AU007650 Outside Diameter: **8mm**, Wall Thickness: 0.1mm, Purity: 99.95%, Inside Diameter: 7.8mm, Temper: As drawn, Length: 50 mm to 100 mm

AU007700 Outside Diameter: **10.0mm**, Wall Thickness: 0.15mm, Purity: 99.95%, Inside Diameter: 9.7mm, Temper: As drawn, Length: 50 mm to 100 mm

**Powder**

AU006021 Mean Particle size: **0.03micron (FSS)**, Purity: 99.95%, Condition: Nanopowder

AU006020 Mean Particle size: **<2micron (FSS)**, Purity: 99.95%

AU006015 Max. Particle size: **53micron**, Purity: 99.95%

AU006010 Max. Particle size: **250micron**, Purity: 99.95%

**Lump**

AU006106 Max. Lump size: **4mm**, High Purity: 99.999%

AU006100 Max. Lump size: **6mm**, Purity: 99.99%

**Sphere**

AU006840 Diameter: **0.5mm**, Purity: 99.99%

**Single Crystal**

AU002120 Oriented: **(100)**, Diameter: 10mm, Length: 1mm, Condition: Unpolished

AU002121 Oriented: **(100)**, Diameter: 10mm, Length: 1mm, Condition: Polished on 1 side to 1 micron

AU002130 Oriented: **(110)**, Diameter: 10mm, Length: 1mm, Condition: Unpolished

AU002131 Oriented: **(110)**, Diameter: 10mm, Length: 1mm, Condition: Polished on 1 side to 1 micron

AU002140 Oriented: **(111)**, Diameter: 10mm, Length: 1mm, Condition: Unpolished

AU002141 Oriented: **(111)**, Diameter: 10mm, Length: 1mm, Condition: Polished on 1 side to 1 micron

Hafnium (Hf)**Microfoil**

HF004500 Thickness: **0.1μm**, Specific density: 118.7 μg.cm⁻², Purity: 97.0%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

**Foil**

HF000090 Thickness: **0.003mm**, Purity: 97.0%, Size: 25x25 mm

HF000100 Thickness: **0.004mm**, Purity: 97.0%, Size: 25x25 mm to 50x50 mm

HF000110 Thickness: **0.005mm**, Purity: 97.0%, Size: 25x25 mm to 50x50 mm

HF000120 Thickness: **0.006mm**, Purity: 97.0%, Size: 25x25 mm to 50x50 mm

HF000130 Thickness: **0.007mm**, Purity: 97.0%, Size: 25x25 mm to 50x50 mm

HF000140 Thickness: **0.008mm**, Purity: 97.0%, Size: 25x25 mm to 50x50 mm

HF000150 Thickness: **0.009mm**, Purity: 97.0%, Size: 100x100 mm

HF000160 Thickness: **0.01mm**, Purity: 97.0%, Size: 100x100 mm

HF000170 Thickness: **0.0125mm**, Purity: 97.0%, Size: 100x100 mm

HF000180 Thickness: **0.015mm**, Purity: 97.0%, Size: 25x25 mm to 100x100 mm

HF000190 Thickness: **0.02mm**, Purity: 97.0%, Size: 25x25 mm to 100x100 mm

HF000200 Thickness: **0.025mm**, Purity: 97.0%, Temper: Annealed, Size: 150x150 mm

HF000205 Thickness: **0.075mm**, Purity: 97.0%, Temper: Annealed, Size: 25x25 mm to 150x150 mm

HF000210 Thickness: **0.125mm**, Purity: 97.0%, Temper: Annealed, Size: 25x25 mm to 150x150 mm

HF000214 Thickness: **0.14mm**, Purity: 97.0%, Temper: Annealed, Size: 25x25 mm to 150x150 mm

HF000220 Thickness: **0.25mm**, Purity: 97.0%, Temper: Annealed, Size: 25x25 mm to 100x100 mm

HF000230 Thickness: **0.5mm**, Purity: 97.0%, Temper: Annealed, Size: 25x25 mm to 100x100 mm

Metals

HF000240 Thickness: **1.0mm**, Purity: 97.0%, Temper: Annealed, Size: 25x25 mm to 100x100 mm



Sputtering Target

HF009100 Thickness: **1.0mm**, Purity: 97.0%, Size: 50

HF009300 Thickness: **3.0mm**, Purity: 97.0%, Size: 50 mm



Wire

HF005105 Diameter: **0.125mm**, Purity: 97.0%, Temper: As drawn

HF005110 Diameter: **0.25mm**, Purity: 97.0%, Temper: As drawn

HF005120 Diameter: **0.5mm**, Purity: 97.0%, Temper: As drawn

HF005130 Diameter: **1.0mm**, Purity: 97.0%, Temper: As drawn



Rod

HF007900 Diameter: **1.6mm**, Purity: 97.0%, Temper: As drawn, Length: 100 mm to 1000 mm

HF007902 Diameter: **2.0mm**, Purity: 97%, Temper: As drawn, Length: 100 mm to 1000 mm

HF007910 Diameter: **5.0mm**, Purity: 97%, Temper: As drawn, Length: 50 mm to 200 mm



Powder

HF006010 Max. Particle size: **45micron**, Purity: 95.0 + %



Lump

HF006105 Max. Lump size: **10mm**, Purity: 97.0%

HF006100 Max. Lump size: **10mm**, Purity: 97.0%, Condition: Sponge

Holmium (Ho)



Foil

HO000200 Thickness: **0.005mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm

HO000205 Thickness: **0.0125mm**, Purity: 99.9%, Temper: As rolled, Tolerance: 20%, Size: 25x25 mm to 100x100 mm

HO000210 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Tolerance: 20%, Size: 25x25 mm to 100x100 mm

HO000215 Thickness: **0.05mm**, Purity: 99.9%, Temper: As rolled, Tolerance: 20%, Size: 25x25 mm to 100x100 mm

HO000220 Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Tolerance: 20%, Size: 25x25 mm

HO000221 Thickness: **0.125mm**, Purity: 99.9%, Temper: As rolled, Tolerance: 20%, Size: 25x25 mm to 100x100 mm



Wire

HO005105 Diameter: **0.5mm**, Purity: 99.9%, Temper: As drawn

HO005110 Diameter: **1.0mm**, Purity: 99.9%, Temper: Hard



Rod

HO007905 Diameter: **3.8mm**, Purity: 99.9%, Length: 50 mm to 200 mm

HO007910 Diameter: **6.35mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm



Powder

HO006010 Max. Particle size: **500micron**, Purity: 99.9%



Lump

HO006100 Max. Lump size: **25mm**, Purity: 99.9%

Indium (In)



Microfoil

IN004700 Thickness: **0.5μm**, Specific density: 344.7 μg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm



Foil

IN000040 Thickness: **0.002mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

IN000050 Thickness: **0.0025mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

IN000060 Thickness: **0.003mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

IN000070 Thickness: **0.004mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

IN000080 Thickness: **0.005mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

IN000090 Thickness: **0.006mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 100x100 mm

IN000100 Thickness: **0.007mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 100x100 mm

IN000110 Thickness: **0.008mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 100x100 mm

IN000120 Thickness: **0.009mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 100x100 mm

IN000130 Thickness: **0.01mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm

IN000140 Thickness: **0.0125mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 100x100 mm

IN000150 Thickness: **0.015mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm

IN000160 Thickness: **0.02mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm

IN000170 Thickness: **0.025mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm

IN000180 Thickness: **0.03mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm

IN000190 Thickness: **0.04mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm

IN000200 Thickness: **0.05mm**, High Purity: 99.999%, Temper: As rolled, Tolerance: 20%, Size: 25x25 mm to 75x300 mm

IN000210 Thickness: **0.075mm**, High Purity: 99.999%, Temper: As rolled, Tolerance: 20%, Size: 150x150 mm

IN000230 Thickness: **0.1mm**, High Purity: 99.999%, Temper: As rolled, Tolerance: 20%, Size: 25x25 mm to 150x150 mm

IN000250 Thickness: **0.125mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

Metals

IN000251 Thickness: **0.125mm**, High Purity: 99.999%,
Temper: As rolled, Tolerance: 20%, Size:
200x300 mm to 300x400 mm

IN000260 Thickness: **0.20mm**, High Purity: 99.999%,
Temper: As rolled, Size: 25x25 mm to
150x150 mm

IN000264 Thickness: **0.25mm**, High Purity: 99.999%,
Temper: As rolled, Size: 25x25 mm to
150x150 mm

IN000266 Thickness: **0.5mm**, High Purity: 99.999%,
Temper: As rolled, Size: 25x25 mm to
100x200 mm

IN000268 Thickness: **0.75mm**, High Purity: 99.999%,
Temper: As rolled, Size: 25x25 mm to
150x150 mm

IN000270 Thickness: **1.0mm**, High Purity: 99.999%,
Temper: As rolled, Size: 25x25 mm to
300x300 mm

IN000300 Thickness: **2.0mm**, High Purity: 99.999%,
Temper: As rolled, Size: 25x25 mm to
150x150 mm

IN000350 Thickness: **3.0mm**, High Purity: 99.999%,
Temper: As rolled, Size: 25x25 mm to
100x100 mm

**Sputtering Target**

IN009200 Thickness: **2.0mm**, High Purity: 99.999%, Size:
50 mm to 75 mm

IN009300 Thickness: **3.0mm**, High Purity: 99.999%, Size:
50 mm to 75 mm

IN009600 Thickness: **6.0mm**, High Purity: 99.999%, Size:
50 mm to 76.2 mm

**Wire**

IN005105 Diameter: **0.15mm**, High Purity: 99.999%,
Temper: As drawn

IN005110 Diameter: **0.25mm**, High Purity: 99.999%,
Temper: As drawn

IN005120 Diameter: **0.5mm**, High Purity: 99.999%,
Temper: As drawn

IN005125 Diameter: **0.75mm**, High Purity: 99.999%,
Temper: As drawn

IN005130 Diameter: **1.0mm**, High Purity: 99.999%,
Temper: As drawn

IN005140 Diameter: **1.5mm**, High Purity: 99.999%,
Temper: As drawn

IN005142 Diameter: **1.8mm**, High Purity: 99.999%,
Temper: As drawn

**Rod**

IN007910 Diameter: **2.0mm**, High Purity: 99.999%, Length:
100 mm to 1000 mm

IN007915 Diameter: **3.5mm**, High Purity: 99.999%, Length:
100 mm to 1000 mm

IN007920 Diameter: **5.0mm**, High Purity: 99.999%, Length:
50 mm to 1000 mm

IN007921 Diameter: **5.0mm**, High Purity: 99.99999%,
Length: 25 mm

IN007930 Diameter: **10.0mm**, High Purity: 99.999%,
Length: 50 mm to 300 mm

**Bar**

IN008010 Side Length: **27mm**, Side Length (of longer
side): 35mm, High Purity: 99.999%, Length:
150 mm

**Powder**

IN006010 Max. Particle size: **150micron**, High Purity:
99.999%

**Lump**

IN006100 Max. Lump size: **15mm**, High Purity: 99.999%

IN006120 Max. Lump size: **20mm**, High Purity: 99.99998%

Iridium (Ir)**Microfoil**

IR004500 Thinness: **0.1μm**, Specific density: 224 μg.cm⁻²,
Purity: 99.9%, Support: Permanent Mylar 3.5μm,
Diameter: 10 mm to 25 mm

**Foil**

IR000205 Thickness: **0.025mm**, Purity: 99.9%, Temper:
As rolled, Size: 25x25 mm to 50x50 mm

IR000201 Thickness: **0.05mm**, Purity: 99.9%, Temper:
As rolled, Ribbon width 0.5 mm Length :
0.025 m to 0.18 m

IR000200 Thickness: **0.05mm**, Purity: 99.9%, Temper:
As rolled, Size: 25x25 mm to 50x50 mm

IR000210 Thickness: **0.125mm**, Purity: 99.9%, Temper:
As rolled, Size: 25x25 mm to 50x50 mm

IR000215 Thickness: **0.15mm**, Purity: 99.9%, Temper:
As rolled, Size: 25x25 mm to 50x50 mm

IR000220 Thickness: **0.25mm**, Purity: 99.9%, Temper:
As rolled, Size: 25x25 mm to 50x50 mm

IR000270 Thickness: **0.5mm**, Purity: 99.9%, Temper:
As rolled, Size: 25x25 mm to 50x50 mm

IR000301 Thickness: **1.0mm**, Purity: 99.9%, Temper:
As rolled, Diameter: 5 mm to 8 mm

IR000300 Thickness: **1.0mm**, Purity: 99.9%, Temper:
As rolled, Size: 10x10 mm to 50x50 mm

**Sputtering Target**

IR009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 50.8 mm

**Wire**

IR005100 Diameter: **0.075mm**, Purity: 99.9%, Temper:
As drawn

IR005102 Diameter: **0.1mm**, Purity: 99.9%, Temper:
As drawn

IR005106 Diameter: **0.125mm**, Purity: 99.5%, Temper:
As drawn

IR005105 Diameter: **0.125mm**, Purity: 99.9%, Temper:
As drawn

IR005110 Diameter: **0.15mm**, Purity: 99.9%, Temper:
As drawn

IR005115 Diameter: **0.177mm**, Purity: 99.9%, Temper:
As drawn

IR005118 Diameter: **0.2mm**, Purity: 99.9%, Temper:
As drawn

IR005120 Diameter: **0.25mm**, Purity: 99.9%, Temper:
As drawn

IR005125 Diameter: **0.38mm**, Purity: 99.9%, Temper:
As drawn

IR005131 Diameter: **0.5mm**, Purity: 99.9%, Temper:
As drawn, Condition: Straight wire

IR005130 Diameter: **0.5mm**, Purity: 99.9%, Temper:
As drawn

IR005135 Diameter: **0.8mm**, Purity: 99.9%, Temper:
As drawn

Metals

IR005136 Diameter: **0.8mm**, Purity: 99.9%, Temper: As drawn, Condition: Straight wire

IR005140 Diameter: **1.0mm**, Purity: 99.9%, Temper: As drawn

IR005150 Diameter: **2.0mm**, Purity: 99.9%, Temper: As drawn



Rod

IR007920 Diameter: **2.0mm**, Purity: 99.9%, Temper: As drawn, Length: 25 mm to 100 mm

IR007940 Diameter: **6.0mm**, Purity: 99.9%, Temper: As drawn, Length: 5 mm to 30 mm



Powder

IR006012 Max. Particle size: **50micron**, Purity: 99.9%

IR006010 Max. Particle size: **850micron**, High Purity: 99.995%



Lump

IR006105 Max. Lump size: **10mm**, Purity: 99.9%, Condition: Pellets

IR006100 Max. Lump size: **15mm**, Purity: 99.9%, Condition: Casting grain

Iron (Fe)



Microfoil

FE004300 Thinness: **0.05μm**, Specific density: 40.4 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

FE004550 Thinness: **0.15μm**, Specific density: 176.7 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

FE004600 Thinness: **0.25μm**, Specific density: 176.7 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm



Foil

FE000030 Thickness: **0.0005mm**, Purity: 99.85%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

FE000040 Thickness: **0.00075mm**, Purity: 99.85%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

FE000050 Thickness: **0.001mm**, Purity: 99.85%, Size: 25x25 mm to 50x50 mm

FE000060 Thickness: **0.002mm**, Purity: 99.85%, Size: 25x25 mm to 100x100 mm

FE000070 Thickness: **0.0025mm**, Purity: 99.85%, Size: 25x25 mm to 150x150 mm

FE000080 Thickness: **0.003mm**, Purity: 99.85%, Size: 25x25 mm to 150x150 mm

FE000090 Thickness: **0.004mm**, Purity: 99.85%, Size: 25x25 mm to 150x150 mm

FE000201 Thickness: **0.004mm**, High Purity: 99.99+%, Size: 25x25 mm to 50x50 mm

FE000100 Thickness: **0.005mm**, Purity: 99.85%, Size: 25x25 mm to 150x150 mm

FE000110 Thickness: **0.006mm**, Purity: 99.85%, Size: 25x25 mm to 150x150 mm

FE000120 Thickness: **0.007mm**, Purity: 99.85%, Size: 25x25 mm to 150x150 mm

FE000130 Thickness: **0.008mm**, Purity: 99.85%, Size: 25x25 mm to 150x150 mm

FE000140 Thickness: **0.009mm**, Purity: 99.85%, Size: 25x25 mm to 150x150 mm

FE000150 Thickness: **0.01mm**, Purity: 99.85%, Size: 25x25 mm to 100x100 mm

FE000207 Thickness: **0.01mm**, High Purity: 99.99+%, Size: 50x50 mm to 100x100 mm

FE000160 Thickness: **0.0125mm**, Purity: 99.85%, Size: 50x50 mm to 150x150 mm

FE000210 Thickness: **0.0125mm**, High Purity: 99.99+%, Size: 50x50 mm to 100x100 mm

FE000170 Thickness: **0.015mm**, Purity: 99.85%, Size: 100x100 mm to 150x150 mm

FE000211 Thickness: **0.015mm**, High Purity: 99.99+%, Size: 100x100 mm

FE000180 Thickness: **0.020mm**, Purity: 99.85%, Size: 100x100 mm to 150x150 mm

FE000240 Thickness: **0.025mm**, Purity: 99.5%, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

FE000230 Thickness: **0.025mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

FE000255 Thickness: **0.038mm**, Purity: 99.5%, Temper: Hard, Coil width 120 mm, Size: 25x25 mm to 100x100 mm

FE000260 Thickness: **0.05mm**, Purity: 99.5%, Temper: Hard, Coil width 200 mm, Size: 300x300 mm

FE000262 Thickness: **0.05mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

FE000290 Thickness: **0.075mm**, Purity: 99.5%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE000292 Thickness: **0.075mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

FE000320 Thickness: **0.1mm**, Purity: 99.5%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE000330 Thickness: **0.125mm**, Purity: 99.5%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE000360 Thickness: **0.125mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

FE000380 Thickness: **0.15mm**, Purity: 99.5%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE000390 Thickness: **0.20mm**, Purity: 99.5%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE000400 Thickness: **0.25mm**, Purity: 99.5%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE000401 Thickness: **0.25mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

FE000403 Thickness: **0.38mm**, Purity: 99.5%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE000405 Thickness: **0.5mm**, Purity: 99.5%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE000408 Thickness: **0.5mm**, Purity: 99.8+%, Condition: ARMCO[®] soft ingot Iron, Coil width 49 mm Length : 0.2 m to 5 m

FE000406 Thickness: **0.5mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

Metals

- FE000409** Thickness: **0.9mm**, Purity: 99.5%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
- FE000410** Thickness: **1.0mm**, Purity: 99.5%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
- FE000413** Thickness: **1.0mm**, Purity: 99.8 + %, Temper: As rolled, Condition: ARMCO[®] soft ingot iron, Size: 150x150 mm to 300x300 mm
- FE000411** Thickness: **1.0mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- FE000450** Thickness: **1.5mm**, Purity: 99.5%, Temper: As rolled, Size: 25x25 mm to 500x500 mm
- FE000580** Thickness: **1.83mm**, Purity: 99.5%, Temper: Quarter hard, Size: 25x25 mm to 150x150 mm
- FE000465** Thickness: **2.0mm**, Purity: 99.8 + %, Temper: As rolled, Condition: ARMCO[®] soft ingot iron, Size: 100x100 mm to 300x300 mm
- FE000462** Thickness: **2.0mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- FE000460** Thickness: **2mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- FE000470** Thickness: **3.0mm**, Purity: 99.5%, Temper: As rolled, Size: 150x150 mm to 300x300 mm
- FE000480** Thickness: **3.1mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- FE000500** Thickness: **5mm**, Purity: 99.8 + %, Temper: As rolled, Condition: ARMCO[®] soft ingot iron, Size: 150x150 mm to 300x300 mm
- FE000501** Thickness: **5mm**, Purity: 99.8 + %, Temper: As rolled, Condition: ARMCO[®] soft ingot iron, Size: 180x605 mm



Sputtering Target

- FE009200** Thickness: **2.0mm**, Purity: 99.95%, Size: 50 mm to 75 mm
- FE009300** Thickness: **3.0mm**, Purity: 99.95%, Size: 50 mm to 75 mm
- FE009301** Thickness: **3.0mm**, High Purity: 99.99 + %, Size: 25.4 mm to 76.2 mm
- FE009601** Thickness: **6.0mm**, Purity: 99.95%, Size: 50.8 mm to 76.2 mm
- FE009600** Thickness: **6.0mm**, Purity: 99.99 + %, Size: 25 mm to 75 mm



Wire

- FE005105** Diameter: **0.025mm**, High Purity: 99.99 + %, Temper: As drawn
- FE005110** Diameter: **0.05mm**, Purity: 99.5%, Temper: Hard
- FE005112** Diameter: **0.065mm**, Purity: 99.5%, Temper: Hard
- FE005121** Diameter: **0.125mm**, Purity: 99.5%, Temper: Hard
- FE005125** Diameter: **0.13mm**, High Purity: 99.99 + %, Temper: Hard
- FE005131** Diameter: **0.25mm**, Purity: 99.5%, Temper: Hard
- FE005140** Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: Hard
- FE005141** Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: Annealed
- FE005153** Diameter: **0.5mm**, Purity: 99.95%, Temper: As drawn
- FE005155** Diameter: **0.5mm**, High Purity: 99.99 + %, Temper: Hard

- FE005156** Diameter: **0.5mm**, High Purity: 99.998%, Temper: As drawn

- FE005180** Diameter: **1.0mm**, High Purity: 99.99 + %, Temper: As drawn



Insulated Wire

- FE005820** Conductor diameter: **0.25mm**, Insulation thickness: 0.01mm, Insulation: Polyester



Rod

- FE007911** Diameter: **2.0mm**, Purity: 99.95%, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007910** Diameter: **2.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007925** Diameter: **3.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007920** Diameter: **3.2mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007930** Diameter: **4.8mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007943** Diameter: **5.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 50 mm to 300 mm
- FE007945** Diameter: **6.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 50 mm to 300 mm
- FE007947** Diameter: **6.35mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007946** Diameter: **6.35mm**, Purity: 99.8 + %, Temper: As drawn, Condition: Soft ingot iron, Length: 100 mm to 1000 mm
- FE007948** Diameter: **8.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 50 mm to 100 mm
- FE007950** Diameter: **9.5mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007951** Diameter: **9.5mm**, Purity: 99.8 + %, Temper: As drawn, Condition: Soft ingot iron, Length: 100 mm to 1000 mm
- FE007955** Diameter: **10.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 25 mm to 100 mm
- FE007957** Diameter: **12.7mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007956** Diameter: **12.7mm**, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 500 mm
- FE007960** Diameter: **19.0mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007961** Diameter: **19mm**, Purity: 99.8 + %, Temper: As drawn, Condition: Soft ingot iron, Length: 100 mm to 1000 mm
- FE007965** Diameter: **25mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007975** Diameter: **30mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007974** Diameter: **30mm**, Purity: 99.8 + %, Temper: As drawn, Condition: ARMCO[®] soft ingot iron, Length: 100 mm to 1000 mm
- FE007980** Diameter: **50mm**, Purity: 99.8 + %, Temper: As drawn, Condition: ARMCO[®] soft ingot iron, Length: 50 mm to 500 mm
- FE007990** Diameter: **80mm**, Purity: 99.8 + %, Temper: As drawn, Condition: ARMCO[®] soft ingot iron, Length: 100 mm to 200 mm

Metals



Tube

- FE007070** Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Purity: 99.5%, Inside Diameter: 0.8mm, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007090** Outside Diameter: **1.40mm**, Wall Thickness: 0.3mm, Purity: 99.8+%, Inside Diameter: 0.8mm, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 100 mm to 1000 mm
- FE007100** Outside Diameter: **1.65mm**, Wall Thickness: 0.38mm, Purity: 99.8+%, Inside Diameter: 0.89mm, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 100 mm to 1000 mm
- FE007160** Outside Diameter: **2.0mm**, Wall Thickness: 0.46mm, Purity: 99.5%, Inside Diameter: 1.08mm, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007150** Outside Diameter: **2.0mm**, Wall Thickness: 0.2mm, Purity: 99.5%, Inside Diameter: 1.6mm, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007180** Outside Diameter: **2.30mm**, Wall Thickness: 0.115mm, Purity: 99.5%, Inside Diameter: 2.07mm, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007200** Outside Diameter: **2.38mm**, Wall Thickness: 0.39mm, Purity: 99.8+%, Inside Diameter: 1.6mm, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 100 mm to 1000 mm
- FE007300** Outside Diameter: **3.18mm**, Wall Thickness: 0.61mm, Purity: 99.5%, Inside Diameter: 1.96mm, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007320** Outside Diameter: **3.2mm**, Wall Thickness: 0.5mm, Purity: 99.8+%, Inside Diameter: 2.2mm, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 100 mm to 1000 mm
- FE007400** Outside Diameter: **4.0mm**, Wall Thickness: 0.2mm, Purity: 99.5%, Inside Diameter: 3.6mm, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007500** Outside Diameter: **5.0mm**, Wall Thickness: 0.5mm, Purity: 99.5%, Inside Diameter: 4mm, Temper: As drawn, Length: 100 mm to 500 mm
- FE007501** Outside Diameter: **5.0mm**, Wall Thickness: 0.25mm, Purity: 99.5%, Inside Diameter: 4.5mm, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007550** Outside Diameter: **6.35mm**, Wall Thickness: 0.5mm, Purity: 99.8+%, Inside Diameter: 5.35mm, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 100 mm to 1000 mm
- FE007570** Outside Diameter: **8.0mm**, Wall Thickness: 1.5mm, Purity: 99.5%, Inside Diameter: 5mm, Temper: Annealed, Length: 100 mm to 1000 mm
- FE007600** Outside Diameter: **9.5mm**, Wall Thickness: 0.5mm, Purity: 99.8+%, Inside Diameter: 8.5mm, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 100 mm to 1000 mm
- FE007650** Outside Diameter: **10.0mm**, Wall Thickness: 1.5mm, Purity: 99.5%, Inside Diameter: 7mm, Temper: Annealed, Length: 100 mm to 1000 mm
- FE007645** Outside Diameter: **10.6mm**, Wall Thickness: 0.3mm, Purity: 99.8+%, Inside Diameter: 10.0mm, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 100 mm to 700 mm

- FE007680** Outside Diameter: **12.0mm**, Wall Thickness: 1.5mm, Purity: 99.5%, Inside Diameter: 9mm, Temper: Annealed, Length: 100 mm to 1000 mm
- FE007681** Outside Diameter: **12.0mm**, Wall Thickness: 1.0mm, Purity: 99.5%, Inside Diameter: 10mm, Temper: Annealed, Length: 100 mm to 1000 mm
- FE007700** Outside Diameter: **15.0mm**, Wall Thickness: 1.5mm, Purity: 99.5%, Inside Diameter: 12mm, Temper: Annealed, Length: 100 mm to 1000 mm
- FE007730** Outside Diameter: **20.0mm**, Wall Thickness: 2mm, Purity: 99.5%, Inside Diameter: 16mm, Temper: Annealed, Length: 100 mm to 1000 mm
- FE007750** Outside Diameter: **25.0mm**, Wall Thickness: 2mm, Purity: 99.5%, Inside Diameter: 21mm, Temper: Annealed, Length: 100 mm to 1000 mm



Powder

- FE006045** Mean Particle size: **1-6micron**, Purity: 98%, Condition: Spherical powder
- FE006041** Mean Particle size: **6-8micron**, Purity: 99.0+%
- FE006020** Max. Particle size: **60micron**, Purity: 99.0+%
- FE006010** Max. Particle size: **450micron**, Purity: 99.0+%
- FE006030** Max. Particle size: **800micron**, High Purity: 99.99+%, Condition: Sponge



Lump

- FE006100** Max. Lump size: **10mm**, Purity: 99.95%, Condition: Pellets
- FE006101** Max. Lump size: **10mm**, High Purity: 99.99+%, Condition: Pellets



Single Crystal

- FE002110** Oriented: **(100)**, Diameter: 10mm, Purity: 99.98%, Length: 2mm, Condition: Unpolished
- FE002112** Oriented: **(100)**, Diameter: 10mm, Purity: 99.98%, Length: 2mm, Condition: Polished on 1 side to 1 micron
- FE002111** Oriented: **(110)**, Diameter: 10mm, Purity: 99.98%, Length: 2mm, Condition: Unpolished
- FE002115** Oriented: **(111)**, Diameter: 10mm, Purity: 99.98%, Length: 2mm, Condition: Unpolished
- FE002116** Oriented: **(111)**, Diameter: 10mm, Purity: 99.98%, Length: 2mm, Condition: Polished on 1 side to 1 micron
- FE002010** Oriented: **Random**, Diameter: 5mm, Purity: 99.98%, Length: 8mm
- FE002011** Oriented: **Random**, Diameter: 9mm, Purity: 99.98%, Length: 10mm
- FE002012** Oriented: **Random**, Diameter: 9mm, Purity: 99.98%, Length: 25mm
- FE002013** Oriented: **Random**, Diameter: 9mm, Purity: 99.98%, Length: 50mm

Lanthanum (La)



Foil

- LA000200** Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- LA000210** Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- LA000215** Thickness: **0.125mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- LA000240** Thickness: **0.5mm**, Purity: 99.9%, Temper: As rolled, Size: 29x33 mm to 35x47 mm

Metals

**Sputtering Target****LA009100** Thickness: **1.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm**Rod****LA007910** Diameter: **6.35mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm**Powder****LA006020** Max. Particle size: **400micron**, Purity: 99.9%**Lump****LA006100** Max. Lump size: **25mm**, Purity: 99.9%**Lead (Pb)****Microfoil****PB004010** Thinness: **0.001μm**, Specific density: 1.1 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm**PB004200** Thinness: **0.025μm**, Specific density: 30.9 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm**PB004500** Thinness: **0.1μm**, Specific density: 103.4 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm**PB004600** Thinness: **0.25μm**, Specific density: 266.7 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm**PB004850** Thinness: **1.0μm**, Specific density: 1047.8 μg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm**Foil****PB000020** Thickness: **0.001mm**, Purity: 99.99+%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm**PB000030** Thickness: **0.002mm**, Purity: 99.99+%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm**PB000040** Thickness: **0.0025mm**, Purity: 99.99+%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm**PB000050** Thickness: **0.003mm**, Purity: 99.99+%, Size: 25x25 mm to 50x50 mm**PB000060** Thickness: **0.004mm**, Purity: 99.99+%, Size: 25x25 mm to 100x100 mm**PB000070** Thickness: **0.005mm**, Purity: 99.99+%, Size: 25x25 mm to 100x100 mm**PB000080** Thickness: **0.006mm**, Purity: 99.99+%, Size: 25x25 mm to 100x100 mm**PB000090** Thickness: **0.007mm**, Purity: 99.99+%, Size: 25x25 mm to 100x100 mm**PB000100** Thickness: **0.008mm**, Purity: 99.99+%, Size: 25x25 mm to 100x100 mm**PB000110** Thickness: **0.009mm**, Purity: 99.99+%, Size: 25x25 mm to 100x100 mm**PB000120** Thickness: **0.01mm**, Purity: 99.99+%, Size: 25x25 mm to 100x100 mm**PB000130** Thickness: **0.0125mm**, Purity: 99.99+%, Size: 25x25 mm to 100x100 mm**PB000140** Thickness: **0.015mm**, Purity: 99.99+%, Size: 25x25 mm to 100x100 mm**PB000150** Thickness: **0.02mm**, Purity: 99.99+%, Size: 25x25 mm to 150x150 mm**PB000220** Thickness: **0.025mm**, Purity: 97%, Temper: As rolled, Composition: Pb 97%, Sn 1.5%, Sb 1.5%, Size: 250x300 mm**PB000160** Thickness: **0.025mm**, Purity: 99.99+%, Size: 50x50 mm to 150x150 mm**PB000170** Thickness: **0.03mm**, Purity: 99.99+%, Size: 50x50 mm to 150x150 mm**PB000180** Thickness: **0.04mm**, Purity: 99.99+%, Size: 100x100 mm to 150x150 mm**PB000260** Thickness: **0.05mm**, Purity: 96%, Temper: As rolled, Composition: Pb 96%, Sn 1.5%, Sb 2.5%, Coil width 150 mm, Size: 25x25 mm to 150x150 mm**PB000261** Thickness: **0.05mm**, Purity: 97%, Temper: As rolled, Composition: Pb 97%, Sn 1.5%, Sb 1.5%, Coil width 300 mm, Size: 300x300 mm**PB000240** Thickness: **0.05mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 50x50 mm**PB000190** Thickness: **0.05mm**, Purity: 99.99+%, Size: 150x150 mm**PB000280** Thickness: **0.1mm**, Purity: 99.95%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm**PB000312** Thickness: **0.12mm**, Purity: 99.95%, Temper: As rolled, Coil width 25.4 mm Length : 1 m to 20 m**PB000311** Thickness: **0.125mm**, Purity: 99.95%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm**PB000330** Thickness: **0.125mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 80x100 mm**PB000350** Thickness: **0.15mm**, Purity: 99.95%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm**PB000381** Thickness: **0.25mm**, Purity: 99.95%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm**PB000382** Thickness: **0.25mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm**PB000401** Thickness: **0.5mm**, Purity: 99.95%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm**PB000400** Thickness: **0.5mm**, Purity: 99.95%, Temper: As rolled, Size: 500x500 mm to 1000x1000 mm**PB000402** Thickness: **0.5mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm**PB000403** Thickness: **0.55mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x150 mm**PB000413** Thickness: **1.0mm**, Purity: 99.5%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm**PB000411** Thickness: **1.0mm**, Purity: 99.95%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm**PB000410** Thickness: **1.0mm**, Purity: 99.95%, Temper: As rolled, Size: 500x500 mm to 1000x1000 mm**PB000412** Thickness: **1.0mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

Metals

PB000420 Thickness: **1.5mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PB000450 Thickness: **2.0mm**, Purity: 99.95%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

PB000471 Thickness: **2.7mm**, Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 75x100 mm

PB000472 Thickness: **3.0mm**, Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 500x500 mm

PB000470 Thickness: **3.0mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PB000480 Thickness: **6.0mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 50x50 mm to 100x100 mm



Sputtering Target

PB009300 Thickness: **3.0mm**, High Purity: 99.99 + %, Size: 50 mm to 75 mm

PB009600 Thickness: **6.0mm**, High Purity: 99.99 + %, Size: 50 mm to 75 mm

PB009900 Thickness: **10mm**, High Purity: 99.99 + %, Size: 50 mm



Wire

PB005106 Diameter: **0.125mm**, Purity: 99.5%, Temper: As drawn

PB005111 Diameter: **0.25mm**, Purity: 99.95%, Temper: As drawn

PB005110 Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: As drawn

PB005120 Diameter: **0.5mm**, High Purity: 99.99 + %, Temper: As drawn

PB005125 Diameter: **0.5mm**, High Purity: 99.999%, Temper: As drawn

PB005130 Diameter: **1.0mm**, High Purity: 99.99 + %, Temper: As drawn

PB005140 Diameter: **2.0mm**, High Purity: 99.99 + %, Temper: As drawn

PB005150 Diameter: **3.0mm**, High Purity: 99.99 + %, Temper: As drawn



Rod

PB007910 Diameter: **3.2mm**, Purity: 99.95%, Length: 500 mm to 1000 mm

PB007920 Diameter: **6.35mm**, Purity: 99.95%, Length: 100 mm to 1000 mm

PB007940 Diameter: **12.7mm**, Purity: 99.95%, Length: 100 mm to 1000 mm

PB007950 Diameter: **19.0mm**, Purity: 99.95%, Length: 100 mm to 1000 mm

PB007960 Diameter: **50mm**, Purity: 99.95%, Length: 50 mm to 200 mm

PB007980 Diameter: **80mm**, Purity: 99.95%, Length: 50 mm

PB007981 Diameter: **85mm**, Purity: 99.95%, Length: 50 mm



Bar

PB008010 Side Length: **20mm**, Side Length (of longer side): 40mm, High Purity: 99.999 + %, Length: 175 mm



Tube

PB007200 Outside Diameter: **6.78mm**, Wall Thickness: 1.04mm, Purity: 99.9%, Inside Diameter: 4.7mm, Length: 100 mm to 1000 mm



Powder

PB006025 Max. Particle size: **150micron**, Purity: 99.5%



Lump

PB006100 Max. Lump size: **5mm**, High Purity: 99.999%, Condition: Shot

PB006120 Max. Lump size: **10mm**, High Purity: 99.99 + %, Condition: Pellets



Single Crystal

PB002110 Oriented: **(100)**, Diameter: 10mm, Purity: 99.99%, Length: 2mm

PB002118 Oriented: **(110)**, Diameter: 12mm, Purity: 99.99%, Length: 5mm

PB002119 Oriented: **(110)**, Diameter: 12mm, Purity: 99.99%, Length: 10mm

PB002120 Oriented: **(110)**, Diameter: 12mm, Purity: 99.99%, Length: 50mm

PB002121 Oriented: **(110)**, Diameter: 12mm, Purity: 99.99%, Length: 25mm

Lithium (Li)



Foil

LI000205 Thickness: **0.12mm**, Purity: 99.9%, Temper: As rolled, Size: 45x200 mm

LI000220 Thickness: **0.20mm**, Purity: 99.9%, Temper: As rolled, Size: 38x200 mm

LI000260 Thickness: **0.6mm**, Purity: 99.9%, Temper: As rolled, Size: 25x100 mm



Rod

LI007915 Diameter: **12.7mm**, Purity: 99.0%, Length: 200 mm

Lutetium (Lu)



Foil

LU000200 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

LU000210 Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Tolerance: 20%, Size: 25x25 mm to 50x50 mm

LU000250 Thickness: **1.0mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm



Powder

LU006010 Max. Particle size: **500micron**, Purity: 99.9%



Lump

LU006100 Max. Lump size: **25mm**, Purity: 99.9%

Magnesium (Mg)



Microfoil

MG004850 Thinness: **1.0μm**, Specific density: 174 μg.cm⁻², Purity: 99.9%, Permanent support: 6 micron Aluminum, Size: 25x25 mm to 50x50 mm

Metals



Microleaf

MG004990 Thinness: **1.0 μ m**, Specific density: 174 μ g.cm⁻², Purity: 99.9%, Support: Removable, Size: 25x25 mm to 50x50 mm



Foil

MG000090 Thickness: **0.002mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

MG000100 Thickness: **0.003mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

MG000120 Thickness: **0.005mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

MG000160 Thickness: **0.01mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

MG000170 Thickness: **0.0125mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

MG000180 Thickness: **0.015mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

MG000190 Thickness: **0.02mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

MG000240 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 50x50 mm to 100x100 mm

MG000250 Thickness: **0.05mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MG000260 Thickness: **0.075mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MG000270 Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MG000280 Thickness: **0.125mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MG000290 Thickness: **0.15mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MG000300 Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

MG000301 Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Condition: Polished on both sides, Size: 25x25 mm to 100x100 mm

MG000320 Thickness: **0.5mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

MG000340 Thickness: **1.0mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

MG000341 Thickness: **1.0mm**, Purity: 99.9%, Temper: As rolled, Condition: Polished on both sides, Size: 25x25 mm to 100x100 mm

MG000345 Thickness: **1.5mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 200x200 mm

MG000350 Thickness: **2.0mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 200x200 mm

MG000370 Thickness: **3.0mm**, Purity: 99.9%, Temper: As rolled, Size: 50x50 mm to 200x200 mm

MG000400 Thickness: **6.0mm**, Purity: 99.9%, Temper: As rolled, Size: 50x50 mm to 200x200 mm



Sputtering Target

MG009300 Thickness: **3.0mm**, Purity: 99.9%, Size: 25.4 mm to 75 mm

MG009600 Thickness: **6.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm

MG009807 Thickness: **12.0mm**, Purity: 99.9%, Size: 75 mm



Wire

MG005105 Diameter: **0.125mm**, Purity: 99.9 + %, Temper: As drawn

MG005115 Diameter: **0.25mm**, Purity: 99.9 + %, Temper: As drawn

MG005120 Diameter: **0.4mm**, Purity: 99.9 + %, Temper: As drawn

MG005125 Diameter: **0.5mm**, Purity: 99.9 + %, Temper: As drawn

MG005135 Diameter: **1.0mm**, Purity: 99.9 + %, Temper: As drawn

MG005140 Diameter: **1.1mm**, Purity: 99.9 + %, Temper: As drawn



Rod

MG007910 Diameter: **1.6mm**, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

MG007915 Diameter: **3.2mm**, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

MG007918 Diameter: **4.8mm**, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

MG007920 Diameter: **7.9mm**, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

MG007924 Diameter: **12.7mm**, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

MG007928 Diameter: **15mm**, Purity: 99.97%, Temper: As drawn, Length: 50 mm

MG007930 Diameter: **25.4mm**, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm



Powder

MG006021 Max. Particle size: **50micron**, Purity: 99.8%

MG006011 Max. Particle size: **250micron**, Purity: 99.8 + %, Condition: Ground



Single Crystal

MG002110 Oriented: **(0001)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Unpolished

MG002111 Oriented: **(0001)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Polished on 1 side to 1 micron

Manganese (Mn)



Microfoil

MN004500 Thinness: **0.1 μ m**, Specific density: 70 μ g.cm⁻², Purity: 99.98%, Support: Permanent Mylar 3.5 μ m, Diameter: 10 mm to 25 mm

MN004850 Thinness: **1.0 μ m**, Specific density: 695 μ g.cm⁻², Purity: 99.98%, Support: Permanent Mylar 3.5 μ m, Diameter: 10 mm to 25 mm



Foil

MN000050 Thickness: **0.001mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000060 Thickness: **0.002mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000070 Thickness: **0.0025mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000080 Thickness: **0.003mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000090 Thickness: **0.004mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

Metals

MN000100 Thickness: **0.005mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000110 Thickness: **0.006mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000120 Thickness: **0.007mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000130 Thickness: **0.008mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000140 Thickness: **0.009mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000150 Thickness: **0.01mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

MN000160 Thickness: **0.0125mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

MN000170 Thickness: **0.015mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

MN000180 Thickness: **0.02mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

MN000190 Thickness: **0.025mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

MN000200 Thickness: **0.05mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000300 Thickness: **2mm**, Purity: 99.95%, Condition: Hot-pressed, Size: 50x50 mm

MN000301 Thickness: **2mm**, Purity: 99.95%, Condition: Hot-pressed, Size: 25x25 mm



Sputtering Target

MN009300 Thickness: **3.0mm**, Purity: 99.95%, Condition: Hot-pressed, Size: 20 mm to 75 mm

MN009600 Thickness: **6.0mm**, Purity: 99.95%, Condition: Hot-pressed, Size: 25 mm to 50 mm



Rod

MN007905 Diameter: **2.0mm**, Purity: 99.5%, Condition: Cast, Length: 36 mm

MN007910 Diameter: **4.0mm**, Purity: 99.5%, Condition: Cast, Length: 10 mm to 50 mm

MN007920 Diameter: **6.35mm**, Purity: 99.5%, Condition: Cast, Length: 50 mm



Powder

MN006020 Max. Particle size: **45micron**, Purity: 99.5%

MN006010 Max. Particle size: **150micron**, Purity: 97.5 + %

MN006011 Max. Particle size: **150micron**, Purity: 99.5%

MN006012 Max. Particle size: **300micron**, Purity: 99.5%



Flake

MN006201 Max. Flake size: **25mm**, Purity: 99.95%

MN006200 Max. Flake size: **25mm**, Purity: 99.98 + %

Mercury (Hg)



Liquid

HG006700 Purity: **99.999 + %**

HG006710 High Purity: **99.9999%**

HG006700 Purity: **99.999 + %**

HG006710 High Purity: **99.9999%**

Molybdenum (Mo)



Microfoil

MO004500 Thickness: **0.1μm**, Specific density: 92.4 μg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

MO004850 Thickness: **1.0μm**, Specific density: 1022 μg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 50 mm



Foil

MO000080 Thickness: **0.001mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

MO000090 Thickness: **0.002mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

MO000100 Thickness: **0.0025mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

MO000110 Thickness: **0.003mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

MO000120 Thickness: **0.004mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

MO000130 Thickness: **0.005mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

MO000140 Thickness: **0.006mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

MO000150 Thickness: **0.007mm**, Purity: 99.9%, Size: 50x50 mm to 100x100 mm

MO000203 Thickness: **0.008mm**, Purity: 99.9%, Coil width 100 mm, Size: 25x25 mm to 150x150 mm

MO000170 Thickness: **0.009mm**, Purity: 99.9%, Size: 50x50 mm to 100x100 mm

MO000201 Thickness: **0.01mm**, Purity: 99.9%, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

MO000200 Thickness: **0.01mm**, Purity: 99.9%, Temper: Annealed, Coil width 250 mm, Size: 25x25 mm to 250x300 mm

MO000205 Thickness: **0.0125mm**, Purity: 99.9%, Coil width 100 mm, Size: 25x25 mm to 200x300 mm

MO000211 Thickness: **0.015mm**, Purity: 99.9%, Temper: As rolled, Coil width 130 mm, Size: 30x30 mm to 130x130 mm

MO000210 Thickness: **0.015mm**, Purity: 99.9%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

MO000215 Thickness: **0.020mm**, Purity: 99.9%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

MO000220 Thickness: **0.025mm**, Purity: 99.9%, Temper: Annealed, Coil width 229 mm, Size: 25x25 mm to 200x200 mm

MO000240 Thickness: **0.03mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 200x500 mm

MO000230 Thickness: **0.04mm**, Purity: 99.9%, Temper: Annealed, Ribbon width 0.7 mm Length : 0.5 m to 20 m

MO000250 Thickness: **0.05mm**, Purity: 99.9%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

MO000270 Thickness: **0.0712mm**, Purity: 99.9%, Temper: Annealed, Size: 29x100 mm to 29x600 mm

Metals

MO000280 Thickness: **0.075mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

MO000310 Thickness: **0.1mm**, Purity: 99.9%, Temper: Annealed, Coil width 250 mm, Size: 25x25 mm to 250x300 mm

MO000330 Thickness: **0.125mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

MO000350 Thickness: **0.15mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

MO000360 Thickness: **0.20mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

MO000370 Thickness: **0.25mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

MO000371 Thickness: **0.25mm**, Purity: 99.9%, Temper: Annealed, Size: 610x1000 mm

MO000375 Thickness: **0.30mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

MO000383 Thickness: **0.5mm**, Purity: 99.9%, Condition: Polished on both sides, Size: 50x50 mm to 100x100 mm

MO000380 Thickness: **0.5mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

MO000381 Thickness: **0.5mm**, Purity: 99.9%, Temper: Annealed, Size: 600x1000 mm

MO000385 Thickness: **0.75mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm

MO000390 Thickness: **1.0mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 150x150 mm

MO000391 Thickness: **1.0mm**, Purity: 99.9%, Temper: Annealed, Size: 500x600 mm to 600x1000 mm

MO000392 Thickness: **1.0mm**, Purity: 99.98%, Temper: Annealed, Size: 50x50 mm to 150x150 mm

MO000410 Thickness: **1.5mm**, Purity: 99.9%, Temper: Annealed, Size: 50x50 mm to 100x100 mm

MO000420 Thickness: **2.0mm**, Purity: 99.9%, Temper: Annealed, Size: 50x50 mm to 150x150 mm

MO000421 Thickness: **2.0mm**, Purity: 99.9%, Temper: Annealed, Size: 300x300 mm

MO000450 Thickness: **3.0mm**, Purity: 99.9%, Temper: Annealed, Size: 100x100 mm to 300x300 mm

MO000480 Thickness: **6.0mm**, Purity: 99.9%, Temper: Annealed, Size: 100x100 mm to 430x610 mm

MO000485 Thickness: **10mm**, Purity: 99.9%, Temper: Annealed, Size: 50x50 mm to 100x100 mm

MO000490 Thickness: **12.7mm**, Purity: 99.9%, Temper: Annealed, Size: 75x150 mm to 75x300 mm



Sputtering Target

MO009150 Thickness: **1.5mm**, Purity: 99.98%, Size: 50.8 mm to 76.2 mm

MO009201 Thickness: **2.0mm**, Purity: 99.9%, Size: 25 mm

MO009200 Thickness: **2.0mm**, Purity: 99.98%, Size: 50.8 mm to 76.2 mm

MO009300 Thickness: **3.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm

MO009600 Thickness: **6.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm



Mesh

MO008720 Nominal Aperture: **0.44mm**, Wire diameter: 0.07mm, Wires/inch: 50, Open area: 67%, Type: Plain weave mesh, Size: 50x50 mm to 150x150 mm

MO008710 Nominal Aperture: **0.8mm**, Wire diameter: 0.18mm, Wires/inch: 26, Open area: 67%, Type: Plain weave mesh, Size: 50x50 mm to 150x150 mm



Wire

MO005105 Diameter: **0.01mm**, Purity: 99.8 + %, Temper: Hard

MO005110 Diameter: **0.013mm**, Purity: 99.8 + %, Temper: Hard

MO005215 Diameter: **0.015mm**, Purity: 99.95%, Condition: Gold plated wire

MO005120 Diameter: **0.025mm**, Purity: 99.95%, Temper: Hard

MO005220 Diameter: **0.025mm**, Purity: 99.95%, Condition: Gold plated wire

MO005121 Diameter: **0.03mm**, Purity: 99.95%, Temper: Hard

MO005122 Diameter: **0.035mm**, Purity: 99.95%, Temper: As drawn

MO005125 Diameter: **0.05mm**, Purity: 99.95%, Temper: Annealed

MO005225 Diameter: **0.05mm**, Purity: 99.95%, Condition: Gold plated wire

MO005130 Diameter: **0.125mm**, Purity: 99.95%, Temper: Annealed

MO005135 Diameter: **0.2mm**, Purity: 99.95%, Temper: As drawn

MO005320 Diameter: **0.25mm**, Purity: 99.95%, Condition: Straight wire

MO005140 Diameter: **0.25mm**, Purity: 99.95%, Temper: Annealed

MO005142 Diameter: **0.30mm**, Purity: 99.95%, Temper: Annealed

MO005340 Diameter: **0.5mm**, Purity: 99.95%, Condition: Straight wire

MO005150 Diameter: **0.5mm**, Purity: 99.95%, Temper: Annealed

MO005152 Diameter: **0.7mm**, Purity: 99.95%, Temper: Annealed

MO005155 Diameter: **0.8mm**, Purity: 99.95%, Temper: Annealed

MO005350 Diameter: **1.0mm**, Purity: 99.95%, Condition: Straight wire

MO005160 Diameter: **1.0mm**, Purity: 99.95%, Temper: Annealed

MO005165 Diameter: **1.25mm**, Purity: 99.95%, Temper: Annealed



Insulated Wire

MO005825 Conductor diameter: **0.125mm**, Insulation thickness: 0.012mm, Purity: 99.95%, Insulation: Polyimide



Rod

MO007908 Diameter: **1.25mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007902 Diameter: **1.5mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007903 Diameter: **2.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007901 Diameter: **3.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

Metals

MO007904 Diameter: **4.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007905 Diameter: **5.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007906 Diameter: **5.0mm**, Purity: 99.98%, Length: 50 mm to 150 mm

MO007900 Diameter: **6.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007910 Diameter: **8.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007920 Diameter: **10.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007922 Diameter: **12mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007926 Diameter: **15.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 50 mm to 500 mm

MO007931 Diameter: **20.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 50 mm to 200 mm

MO007945 Diameter: **25mm**, Purity: 99.9%, Condition: Centerless ground, Length: 25 mm to 200 mm

MO007950 Diameter: **30mm**, Purity: 99.9%, Condition: Centerless ground, Length: 50 mm to 200 mm

MO007960 Diameter: **50mm**, Purity: 99.9%, Condition: Centerless ground, Length: 25 mm to 100 mm

MO007975 Diameter: **75mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm

MO007995 Diameter: **100mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm



Tube

MO007050 Outside Diameter: **0.51mm**, Wall Thickness: 0.085mm, Purity: 99.9%, Inside Diameter: 0.34mm, Length: 21 mm

MO007051 Outside Diameter: **0.51mm**, Wall Thickness: 0.07mm, Purity: 99.9%, Inside Diameter: 0.37mm, Length: 100 mm to 300 mm

MO007063 Outside Diameter: **1.0mm**, Wall Thickness: 0.15mm, Purity: 99.9%, Inside Diameter: 0.7mm, Length: 100 mm to 1000 mm

MO007200 Outside Diameter: **1.5mm**, Wall Thickness: 0.275mm, Purity: 99.9%, Inside Diameter: 0.95mm, Length: 100 mm to 1000 mm

MO007300 Outside Diameter: **2.0mm**, Wall Thickness: 0.3mm, Purity: 99.9%, Inside Diameter: 1.4mm, Length: 100 mm to 1000 mm

MO007350 Outside Diameter: **3.15mm**, Wall Thickness: 0.38mm, Purity: 99.9%, Inside Diameter: 2.39mm, Length: 100 mm to 1000 mm

MO007375 Outside Diameter: **5.0mm**, Wall Thickness: 0.5mm, Purity: 99.9%, Inside Diameter: 4mm, Length: 100 mm to 500 mm

MO007401 Outside Diameter: **6.0mm**, Wall Thickness: 0.20mm, Purity: 99.9%, Inside Diameter: 5.6mm, Tolerance: 20%, Length: 100 mm to 1000 mm

MO007412 Outside Diameter: **6.4mm**, Wall Thickness: 0.9mm, Purity: 99.9%, Inside Diameter: 4.6mm, Length: 50 mm to 500 mm



Powder

MO006020 Mean Particle size: **2micron**, Purity: 99.9 + %

MO006011 Max. Particle size: **355micron**, Min. Particle size: 55micron, Purity: 99.9 + %



Lump

MO006100 Max. Lump size: **10mm**, Purity: 99.9%, Condition: Pellets



Single Crystal

MO002110 Oriented: **(100)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Unpolished

MO002111 Oriented: **(100)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Polished on 1 side to 1 micron

MO002059 Oriented: **(110)**, Diameter: 6mm, Purity: 99.999%, Length: 10mm

MO002060 Oriented: **(110)**, Diameter: 6mm, Purity: 99.999%, Length: 25mm

MO002061 Oriented: **(110)**, Diameter: 6mm, Purity: 99.999%, Length: 50mm

MO002119 Oriented: **(110)**, Diameter: 12mm, Purity: 99.999%, Length: 10mm

MO002120 Oriented: **(110)**, Diameter: 12mm, Purity: 99.999%, Length: 25mm

MO002121 Oriented: **(110)**, Diameter: 12mm, Purity: 99.999%, Length: 50mm

MO002122 Oriented: **(110)**, Diameter: 12mm, Purity: 99.999%, Length: 100mm

Neodymium (Nd)



Foil

ND000205 Thickness: **0.005mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm

ND000200 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

ND000210 Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm



Sputtering Target

ND009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm



Wire

ND005110 Diameter: **1.0mm**, Purity: 99.9%, Temper: Hard



Rod

ND007910 Diameter: **6.35mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm

ND007940 Diameter: **12.5mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm



Powder

ND006010 Max. Particle size: **250micron**, Purity: 99.9%



Lump

ND006100 Max. Lump size: **25mm**, Purity: 99.9%, Packing Note: Packed in Oil

Nickel (Ni)



Microfoil

NI004500 Thinness: **0.1μm**, Specific density: 93.4 μg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

Metals

- NI004600** Thinness: **0.25 μ m**, Specific density: 222.6 μ g.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5 μ m, Diameter: 10 mm to 25 mm
- NI004700** Thinness: **0.5 μ m**, Specific density: 438.8 μ g.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5 μ m, Diameter: 10 mm to 25 mm
- NI004850** Thinness: **1.0 μ m**, Specific density: 895.8 μ g.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5 μ m, Diameter: 10 mm to 25 mm



Foil

- NI000080** Thickness: **0.00025mm**, Purity: 99.95%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm
- NI000090** Thickness: **0.0005mm**, Purity: 99.95%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm
- NI000100** Thickness: **0.00075mm**, Purity: 99.95%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm
- NI000110** Thickness: **0.001mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm
- NI000120** Thickness: **0.002mm**, Purity: 99.95%, Size: 25x25 mm to 100x100 mm
- NI000210** Thickness: **0.0025mm**, Purity: 99.95%, Coil width 148 mm, Size: 25x25 mm to 148x300 mm
- NI000215** Thickness: **0.003mm**, Purity: 99.95%, Coil width 148 mm, Size: 25x25 mm to 148x300 mm
- NI000221** Thickness: **0.004mm**, Purity: 99.0%, Temper: Hard, Coil width 108 mm, Size: 25x25 mm to 100x100 mm
- NI000220** Thickness: **0.004mm**, Purity: 99.95%, Size: 25x25 mm to 148x150 mm
- NI000222** Thickness: **0.004mm**, Purity: 99.98%, Temper: Hard, Coil width 90 mm, Size: 45x45 mm to 90x90 mm
- NI000224** Thickness: **0.005mm**, Purity: 99.9%, Temper: As rolled, Coil width 98 mm, Size: 25x25 mm to 98x100 mm
- NI000255** Thickness: **0.006mm**, Purity: 99.95%, Size: 100x300 mm
- NI000230** Thickness: **0.006mm**, Purity: 99.95%, Size: 50x50 mm to 100x100 mm
- NI000170** Thickness: **0.007mm**, Purity: 99.95%, Size: 50x50 mm to 150x150 mm
- NI000235** Thickness: **0.0075mm**, Purity: 99.95%, Coil width 148 mm, Size: 100x100 mm to 148x150 mm
- NI000261** Thickness: **0.0075mm**, Purity: 99.95%, Coil width 300 mm, Size: 300x300 mm
- NI000180** Thickness: **0.008mm**, Purity: 99.95%, Size: 100x100 mm to 150x150 mm
- NI000190** Thickness: **0.009mm**, Purity: 99.95%, Size: 100x100 mm to 150x150 mm
- NI000270** Thickness: **0.01mm**, Purity: 99.95%, Coil width 150 mm, Size: 100x100 mm to 150x300 mm
- NI000301** Thickness: **0.0125mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 100x100 mm to 300x300 mm
- NI000300** Thickness: **0.0125mm**, Purity: 99.9%, Coil width 500 mm, Size: 100x100 mm to 300x300 mm
- NI000313** Thickness: **0.0125mm**, High Purity: 99.99+%, Size: 25x25 mm to 100x100 mm

- NI000317** Thickness: **0.015mm**, Purity: 99.9%, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- NI000320** Thickness: **0.02mm**, Purity: 99.9%, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- NI000345** Thickness: **0.025mm**, Purity: 99.0%, Temper: Annealed, Size: 25x25 mm to 300x300 mm
- NI000346** Thickness: **0.025mm**, Purity: 99.0%, Temper: As rolled, Coil width 600 mm Length : 0.5 m to 2 m
- NI000340** Thickness: **0.025mm**, Purity: 99.9%, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- NI000330** Thickness: **0.025mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- NI000360** Thickness: **0.025mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- NI000370** Thickness: **0.03mm**, Purity: 99.9%, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- NI000380** Thickness: **0.038mm**, Purity: 99.9%, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- NI000452** Thickness: **0.05mm**, Purity: 99.0%, Temper: Annealed, Coil width 2 mm Length : 1 m to 20 m
- NI000450** Thickness: **0.05mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- NI000400** Thickness: **0.05mm**, Purity: 99.9%, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- NI000391** Thickness: **0.05mm**, Purity: 99.98%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- NI000392** Thickness: **0.05mm**, Purity: 99.98%, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x200 mm
- NI000455** Thickness: **0.05mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- NI000460** Thickness: **0.05mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- NI000470** Thickness: **0.075mm**, Purity: 99.0%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 150x150 mm
- NI000471** Thickness: **0.075mm**, Purity: 99.98%, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x200 mm
- NI000480** Thickness: **0.1mm**, Purity: 99.0%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x200 mm
- NI000503** Thickness: **0.125mm**, Purity: 99.0%, Temper: As rolled, Coil width 1 mm Length : 1 m to 20 m
- NI000500** Thickness: **0.125mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- NI000531** Thickness: **0.125mm**, Purity: 99.98%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- NI000520** Thickness: **0.125mm**, High Purity: 99.99+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- NI000525** Thickness: **0.125mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- NI000541** Thickness: **0.15mm**, Purity: 99.0%, Temper: Annealed, Coil width 12 mm Length : 0.5 m to 10 m

Metals

- NI000540** Thickness: **0.15mm**, Purity: 99.0%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x300 mm
- NI000552** Thickness: **0.20mm**, Purity: 99.0%, Temper: Annealed, Coil width 1 mm Length : 1 m to 10 m
- NI000550** Thickness: **0.20mm**, Purity: 99.0%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 150x150 mm
- NI000570** Thickness: **0.25mm**, Purity: 99.0%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x300 mm
- NI000581** Thickness: **0.25mm**, Purity: 99.98%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
- NI000560** Thickness: **0.25mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- NI000565** Thickness: **0.25mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x150 mm
- NI000563** Thickness: **0.3mm**, Purity: 99.0%, Temper: As rolled, Coil width 1 mm Length : 1 m to 10 m
- NI000562** Thickness: **0.3mm**, Purity: 99.0%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 150x150 mm
- NI000569** Thickness: **0.30mm**, Purity: 99.98%, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 150x150 mm
- NI000568** Thickness: **0.3mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x150 mm
- NI000585** Thickness: **0.50mm**, Purity: 99.0%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 150x150 mm
- NI000590** Thickness: **0.5mm**, Purity: 99.98%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
- NI000600** Thickness: **0.5mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm
- NI000605** Thickness: **0.5mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- NI000608** Thickness: **1.0mm**, Purity: 99.0%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 150x150 mm
- NI000610** Thickness: **1.0mm**, Purity: 99.98%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
- NI000620** Thickness: **1.0mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- NI000615** Thickness: **1.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- NI000621** Thickness: **1.6mm**, Purity: 99.0%, Size: 50x50 mm to 300x300 mm
- NI000623** Thickness: **2.0mm**, Purity: 99.0%, Temper: Annealed, Size: 25x25 mm to 300x300 mm
- NI000622** Thickness: **2.0mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- NI000624** Thickness: **3.2mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

- NI000625** Thickness: **6.35mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 50x50 mm to 200x200 mm



Sputtering Target

- NI009300** Thickness: **3.2mm**, High Purity: 99.99 + %, Size: 50 mm to 75 mm

- NI009600** Thickness: **6.35mm**, High Purity: 99.99 + %, Size: 50 mm to 75 mm



Foam

- NI003852** Thickness: **1.6mm**, Bulk density: 0.45g.cm⁻³, Purity: 95%, Pores/cm: 20, Porosity: 95%, Size: 49x150 mm to 300x300 mm



Mesh

- NI008705** Nominal Aperture: **0.04mm**, Purity: 99.9%, Thickness: 0.004mm, Wire diameter: 0.011mm, Wires/inch: 500, Open area: 60%, Type: Electro-formed mesh, Size: 30x30 mm to 130x130 mm

- NI008711** Nominal Aperture: **0.34mm**, Purity: 99.9%, Thickness: 0.025mm, Wire diameter: 0.041mm, Wires/inch: 70, Open area: 80%, Type: Electro-formed mesh, Size: 30x30 mm to 260x260 mm

- NI008720** Nominal Aperture: **0.43mm**, Purity: 99.9%, Thickness: 0.004mm, Wire diameter: 0.067mm, Wires/inch: 51, Open area: 75%, Type: Electro-formed mesh, Size: 30x30 mm to 240x240 mm

- NI008750** Nominal Aperture: **0.73mm**, Purity: 99.0%, Wire diameter: 0.25mm, Wires/inch: 26x26, Open area: 55%, Type: Plain weave mesh, Size: 100x250 mm



Wire

- NI005100** Diameter: **0.01mm**, Purity: 99.98%, Temper: As drawn

- NI005102** Diameter: **0.0125mm**, Purity: 99.98%, Temper: Stress relieved

- NI005105** Diameter: **0.025mm**, Purity: 99.6 + %, Temper: As drawn

- NI005106** Diameter: **0.025mm**, Purity: 99.98%, Temper: As drawn

- NI005110** Diameter: **0.05mm**, Purity: 99.0%, Temper: As drawn

- NI005120** Diameter: **0.125mm**, Purity: 99.0%, Temper: As drawn

- NI005121** Diameter: **0.125mm**, Purity: 99.98%, Temper: Hard

- NI005132** Diameter: **0.125mm**, Purity: 99.98%, Temper: Annealed

- NI005125** Diameter: **0.15mm**, Purity: 99.0%, Temper: As drawn

- NI005141** Diameter: **0.25mm**, Purity: 99.0%, Temper: Annealed

- NI005140** Diameter: **0.25mm**, Purity: 99.0%, Temper: As drawn

- NI005305** Diameter: **0.25mm**, Purity: 99.98%, Temper: Hard, Condition: Straight wire

- NI005131** Diameter: **0.25mm**, Purity: 99.98%, Temper: Hard

- NI005130** Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: As drawn

- NI005145** Diameter: **0.4mm**, Purity: 99.0%, Temper: As drawn

Metals

- NI005146** Diameter: **0.4mm**, High Purity: 99.99 + %, Temper: As drawn
- NI005151** Diameter: **0.5mm**, Purity: 99.0%, Temper: Annealed
- NI005150** Diameter: **0.5mm**, Purity: 99.0%, Temper: As drawn
- NI005310** Diameter: **0.5mm**, Purity: 99.98%, Temper: Hard, Condition: Straight wire
- NI005156** Diameter: **0.5mm**, Purity: 99.98%, Temper: Hard
- NI005155** Diameter: **0.5mm**, High Purity: 99.99 + %, Temper: As drawn
- NI005158** Diameter: **0.75mm**, Purity: 99.0%, Temper: As drawn
- NI005159** Diameter: **0.75mm**, High Purity: 99.99 + %, Temper: As drawn
- NI005320** Diameter: **1.0mm**, Purity: 99.0%, Condition: Straight wire, Temper: Annealed
- NI005160** Diameter: **1.0mm**, Purity: 99.0%, Temper: As drawn
- NI005171** Diameter: **1.0mm**, Purity: 99.98%, Temper: Hard
- NI005170** Diameter: **1.0mm**, High Purity: 99.99 + %, Temper: As drawn
- NI005181** Diameter: **2.0mm**, Purity: 99.98%, Temper: Hard



Insulated Wire

- NI005810** Conductor diameter: **0.025mm**, Insulation thickness: 0.0035mm, Insulation: Polyimide



Rod

- NI007915** Diameter: **1.5mm**, High Purity: 99.99 + %, Length: 100 mm to 1000 mm
- NI007920** Diameter: **2.0mm**, High Purity: 99.99 + %, Length: 100 mm to 1000 mm
- NI007930** Diameter: **3.0mm**, Purity: 99.0%, Length: 100 mm to 1000 mm
- NI007933** Diameter: **3.3mm**, High Purity: 99.99 + %, Length: 50 mm to 500 mm
- NI007950** Diameter: **5.0mm**, High Purity: 99.99 + %, Length: 50 mm to 500 mm
- NI007955** Diameter: **6.35mm**, Purity: 99.0%, Length: 100 mm to 1000 mm
- NI007960** Diameter: **9.5mm**, Purity: 99.0%, Length: 100 mm to 1000 mm
- NI007962** Diameter: **10.0mm**, High Purity: 99.99 + %, Length: 50 mm to 200 mm
- NI007965** Diameter: **12.0mm**, Purity: 99.0%, Length: 100 mm to 1000 mm
- NI007980** Diameter: **12.7mm**, Purity: 99.98%, Length: 100 mm to 1000 mm
- NI007968** Diameter: **16mm**, High Purity: 99.99 + %, Length: 50 mm to 200 mm
- NI007970** Diameter: **20.0mm**, Purity: 99.0%, Length: 100 mm to 1000 mm
- NI007985** Diameter: **25.4mm**, Purity: 99.98%, Length: 50 mm to 200 mm
- NI007986** Diameter: **25.4mm**, High Purity: 99.99 + %, Length: 50 mm to 200 mm
- NI007990** Diameter: **40mm**, Purity: 99.0%, Length: 50 mm to 200 mm



Tube

- NI007105** Outside Diameter: **0.35mm**, Wall Thickness: 0.025mm, Purity: 99.5%, Inside Diameter: 0.3mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007100** Outside Diameter: **0.5mm**, Wall Thickness: 0.05mm, Purity: 99.5%, Inside Diameter: 0.4mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007120** Outside Diameter: **0.6mm**, Wall Thickness: 0.125mm, Purity: 99.5%, Inside Diameter: 0.35mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007130** Outside Diameter: **0.65mm**, Wall Thickness: 0.133mm, Purity: 99.5%, Inside Diameter: 0.384mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI007150** Outside Diameter: **0.75mm**, Wall Thickness: 0.08mm, Purity: 99.5%, Inside Diameter: 0.59mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007151** Outside Diameter: **0.762mm**, Wall Thickness: 0.279mm, Purity: 99.5%, Inside Diameter: 0.204mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007140** Outside Diameter: **0.78mm**, Wall Thickness: 0.29mm, Purity: 99.5%, Inside Diameter: 0.2mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI007170** Outside Diameter: **0.8mm**, Wall Thickness: 0.25mm, Purity: 99.5%, Inside Diameter: 0.3mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI007171** Outside Diameter: **0.8mm**, Wall Thickness: 0.15mm, Purity: 99.5%, Inside Diameter: 0.5mm, Temper: Hard, Length: 5 mm
- NI007160** Outside Diameter: **0.8mm**, Wall Thickness: 0.15mm, Purity: 99.5%, Inside Diameter: 0.5mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI007155** Outside Diameter: **0.8mm**, Wall Thickness: 0.08mm, Purity: 99.5%, Inside Diameter: 0.64mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI007205** Outside Diameter: **1.0mm**, Wall Thickness: 0.4mm, Purity: 99.5%, Inside Diameter: 0.2mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007200** Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Purity: 99.5%, Inside Diameter: 0.8mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007201** Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Purity: 99.5%, Inside Diameter: 0.8mm, Temper: Hard, Length: 5 mm
- NI007210** Outside Diameter: **1.2mm**, Wall Thickness: 0.1mm, Purity: 99.5%, Inside Diameter: 1mm, Temper: Hard, Length: 7 mm
- NI007220** Outside Diameter: **1.3mm**, Wall Thickness: 0.1mm, Purity: 99.5%, Inside Diameter: 1.1mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007250** Outside Diameter: **1.5mm**, Wall Thickness: 0.15mm, Purity: 99.5%, Inside Diameter: 1.2mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007251** Outside Diameter: **1.5mm**, Wall Thickness: 0.1mm, Purity: 99.5%, Inside Diameter: 1.3mm, Temper: Hard, Length: 3 mm
- NI007252** Outside Diameter: **1.5mm**, Wall Thickness: 0.05mm, Purity: 99.5%, Inside Diameter: 1.4mm, Temper: Hard, Length: 100 mm to 1000 mm

Metals

- NI007260** Outside Diameter: **1.57mm**, Wall Thickness: 0.47mm, Purity: 99.5%, Inside Diameter: 0.63mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007280** Outside Diameter: **1.8mm**, Wall Thickness: 0.1mm, Purity: 99.5%, Inside Diameter: 1.6mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007300** Outside Diameter: **2.0mm**, Wall Thickness: 0.2mm, Purity: 99.5%, Inside Diameter: 1.6mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007290** Outside Diameter: **2.0mm**, Wall Thickness: 0.1mm, Purity: 99.5%, Inside Diameter: 1.8mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007310** Outside Diameter: **2.4mm**, Wall Thickness: 0.076mm, Purity: 99.5%, Inside Diameter: 2.248mm, Temper: Hard, Length: 200 mm to 1000 mm
- NI007350** Outside Diameter: **2.5mm**, Wall Thickness: 0.25mm, Purity: 99.5%, Inside Diameter: 2mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007340** Outside Diameter: **2.5mm**, Wall Thickness: 0.125mm, Purity: 99.5%, Inside Diameter: 2.25mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007370** Outside Diameter: **2.8mm**, Wall Thickness: 0.5mm, Purity: 99.5%, Inside Diameter: 1.8mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007400** Outside Diameter: **3.0mm**, Wall Thickness: 0.3mm, Purity: 99.5%, Inside Diameter: 2.4mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007500** Outside Diameter: **3.6mm**, Wall Thickness: 0.05mm, Purity: 99.5%, Inside Diameter: 3.5mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007550** Outside Diameter: **4.5mm**, Wall Thickness: 0.673mm, Purity: 99.5%, Inside Diameter: 3.154mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007600** Outside Diameter: **5.5mm**, Wall Thickness: 0.25mm, Purity: 99.5%, Inside Diameter: 5mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007650** Outside Diameter: **5.9mm**, Wall Thickness: 0.125mm, Purity: 99.5%, Inside Diameter: 5.65mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007655** Outside Diameter: **6.1mm**, Wall Thickness: 0.5mm, Purity: 99.5%, Inside Diameter: 5.1mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007658** Outside Diameter: **6.5mm**, Wall Thickness: 0.5mm, Purity: 99.5%, Inside Diameter: 5.5mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007670** Outside Diameter: **7.11mm**, Wall Thickness: 0.27mm, Purity: 99.5%, Inside Diameter: 6.57mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI007685** Outside Diameter: **7.8mm**, Wall Thickness: 0.7mm, Purity: 99.5%, Inside Diameter: 6.4mm, Temper: Hard, Length: 35 mm
- NI007700** Outside Diameter: **8.4mm**, Wall Thickness: 0.125mm, Purity: 99.5%, Inside Diameter: 8.15mm, Temper: Hard, Length: 100 mm to 1000 mm



Powder

- NI006021** Mean Particle size: **3-7micron (FSS)**, Purity: 99.8%, Condition: Carbonyl
- NI006015** Max. Particle size: **45micron**, Purity: 99.5+ %
- NI006035** Max. Particle size: **150micron**, High Purity: 99.99+ %

- NI006010** Max. Particle size: **250micron**, Purity: 99.5+ %



Lump

- NI006105** Max. Lump size: **5mm**, High Purity: 99.99+ %, Condition: Pellets
- NI006100** Max. Lump size: **10mm**, High Purity: 99.99+ %, Condition: Pellets
- NI006101** Max. Lump size: **10mm**, High Purity: 99.999%, Condition: Pellets
- NI006107** Max. Lump size: **15mm**, High Purity: 99.99+ %, Condition: Pellets
- NI006108** Max. Lump size: **20mm**, High Purity: 99.99+ %, Condition: Pellets
- NI006120** Max. Lump size: **50mm**, Purity: 99.8%, Condition: Broken cathode squares



Sphere

- NI006811** Diameter: **0.76mm**, Purity: 99.0%
- NI006820** Diameter: **1.0mm**, Purity: 99.0%
- NI006840** Diameter: **3.0mm**, Purity: 99.0%



Single Crystal

- NI002129** Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 10mm
- NI002130** Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 25mm
- NI002131** Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 50mm
- NI002150** Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 2mm, Condition: Unpolished
- NI002151** Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 2mm, Condition: Polished on 1 side to 1 micron
- NI002115** Oriented: **(110)**, Diameter: 12mm, Purity: 99.999%, Length: 10mm
- NI002120** Oriented: **(110)**, Diameter: 12mm, Purity: 99.999%, Length: 25mm
- NI002138** Oriented: **(111)**, Diameter: 12mm, Purity: 99.999%, Length: 10mm
- NI002140** Oriented: **(111)**, Diameter: 12mm, Purity: 99.999%, Length: 25mm
- NI002141** Oriented: **(111)**, Diameter: 12mm, Purity: 99.999%, Length: 50mm

Nickel - Nanocrystalline (Ni)



Foil

- NJ000200** Thickness: **0.01 mm**, Grain size: 10-20nm nominal, Support: Permanent Copper, Size: 12x12 mm to 25x25 mm
- NJ000201** Thickness: **0.01 mm**, Grain size: 10-20nm nominal, Support: Permanent Copper, Size: 80x80 mm
- NJ000250** Thickness: **0.02 mm**, Grain size: 10-20nm nominal, Support: Permanent Copper, Size: 25x25 mm
- NJ000251** Thickness: **0.02 mm**, Grain size: 10-20nm nominal, Support: Permanent Copper, Size: 80x80 mm
- NJ000300** Thickness: **0.05 mm**, Grain size: 10-20nm nominal, Support: Permanent Copper, Size: 25x25 mm
- NJ000301** Thickness: **0.05 mm**, Grain size: 10-20nm nominal, Support: Permanent Copper, Size: 80x80 mm

Metals

NJ000350 Thickness: **0.1 mm**, Grain size: 10-20nm nominal, Size: 14x14 mm

Niobium (Nb)



Microfoil

NB004200 Thinness: **0.025µm**, Specific density: 21 µg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

NB000100 Thickness: **0.001mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

NB000110 Thickness: **0.002mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

NB000120 Thickness: **0.0025mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

NB000130 Thickness: **0.003mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

NB000140 Thickness: **0.004mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

NB000210 Thickness: **0.005mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

NB000150 Thickness: **0.006mm**, Purity: 99.9%, Size: 50x50 mm to 150x150 mm

NB000160 Thickness: **0.007mm**, Purity: 99.9%, Size: 100x100 mm to 150x150 mm

NB000230 Thickness: **0.0075mm**, Purity: 99.9%, Size: 150x150 mm to 200x300 mm

NB000170 Thickness: **0.008mm**, Purity: 99.9%, Size: 100x100 mm to 150x150 mm

NB000180 Thickness: **0.009mm**, Purity: 99.9%, Size: 100x100 mm to 150x150 mm

NB000250 Thickness: **0.01mm**, Purity: 99.9%, Size: 25x25 mm to 214x300 mm

NB000270 Thickness: **0.0125mm**, Purity: 99.9%, Coil width 200 mm, Size: 25x25 mm to 200x300 mm

NB000190 Thickness: **0.02mm**, Purity: 99.9%, Size: 100x100 mm to 150x150 mm

NB000300 Thickness: **0.025mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 50x50 mm

NB000301 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Coil width 120 mm, Size: 25x25 mm to 100x100 mm

NB000310 Thickness: **0.04mm**, Purity: 99.9%, Temper: Annealed, Ribbon width 0.7 mm Length : 0.5 m to 10 m

NB000315 Thickness: **0.05mm**, Purity: 99.9%, Temper: Annealed, Coil width 160 mm, Size: 25x25 mm to 150x150 mm

NB000330 Thickness: **0.1mm**, Purity: 99.9%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

NB000344 Thickness: **0.125mm**, Purity: 99.9%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

NB000360 Thickness: **0.25mm**, Purity: 99.9%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

NB000365 Thickness: **0.30mm**, Purity: 99.9%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

NB000370 Thickness: **0.5mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

NB000380 Thickness: **1.0mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 150x150 mm

NB000400 Thickness: **1.5mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 150x150 mm

NB000420 Thickness: **2.0mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm

NB000430 Thickness: **3.0mm**, Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 300x300 mm

NB000450 Thickness: **6.0mm**, Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 300x300 mm



Sputtering Target

NB009200 Thickness: **2.0mm**, Purity: 99.9%, Size: 50.8 mm

NB009300 Thickness: **3.0mm**, Purity: 99.9%, Size: 25.4 mm to 75 mm

NB009600 Thickness: **6.0mm**, Purity: 99.9%, Size: 25.4 mm to 75 mm



Wire

NB005090 Diameter: **0.025mm**, Purity: 99.85%, Temper: As drawn

NB005100 Diameter: **0.05mm**, Purity: 99.85%, Temper: As drawn

NB005110 Diameter: **0.125mm**, Purity: 99.9%, Temper: Annealed

NB005115 Diameter: **0.18mm**, Purity: 99.9%, Temper: Annealed

NB005120 Diameter: **0.25mm**, Purity: 99.9%, Temper: Annealed

NB005125 Diameter: **0.5mm**, Purity: 99.9%, Temper: Annealed

NB005130 Diameter: **1.0mm**, Purity: 99.9%, Temper: Annealed

NB005140 Diameter: **1.5mm**, Purity: 99.9%, Temper: Annealed



Insulated Wire

NB005851 Conductor diameter: **0.05mm**, Insulation thickness: 0.007mm, Insulation: Polyimide

NB005850 Conductor diameter: **0.05mm**, Insulation thickness: 0.008mm, Insulation: Teflon



Rod

NB007910 Diameter: **2.0mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm

NB007920 Diameter: **5.0mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm

NB007925 Diameter: **5.6mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm

NB007930 Diameter: **10.0mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm

NB007935 Diameter: **12.7mm**, Purity: 99.9%, Temper: Annealed, Length: 50 mm to 500 mm

NB007940 Diameter: **20.0mm**, Purity: 99.9%, Temper: Annealed, Length: 25 mm to 200 mm

NB007941 Diameter: **25mm**, Purity: 99.9%, Length: 100 mm

NB007942 Diameter: **30.0mm**, Purity: 99.9%, Temper: Annealed, Length: 25 mm to 100 mm

NB007945 Diameter: **42mm**, Purity: 99.9%, Temper: Annealed, Length: 50 mm to 100 mm

NB007950 Diameter: **50.0mm**, Purity: 99.9%, Temper: Annealed, Length: 50 mm to 100 mm

NB007975 Diameter: **75mm**, Purity: 99.9%, Length: 100 mm

NB007995 Diameter: **100mm**, Purity: 99.9%, Length: 100 mm

Metals



Tube

NB007110 Outside Diameter: **1.0mm**, Wall Thickness: 0.25mm, Purity: 99.9%, Inside Diameter: 0.5mm, Temper: As drawn, Length: 100 mm to 1000 mm

NB007200 Outside Diameter: **2.54mm**, Wall Thickness: 0.05mm, Purity: 99.9%, Inside Diameter: 2.44mm, Temper: Annealed, Length: 100 mm to 1000 mm

NB007300 Outside Diameter: **5.0mm**, Wall Thickness: 0.3mm, Purity: 99.9%, Inside Diameter: 4.4mm, Temper: As drawn, Length: 100 mm to 1000 mm

NB007600 Outside Diameter: **10.0mm**, Wall Thickness: 0.4mm, Purity: 99.9%, Inside Diameter: 9.2mm, Temper: As drawn, Length: 100 mm to 1000 mm

NB007700 Outside Diameter: **16.0mm**, Wall Thickness: 1.5mm, Purity: 99.9%, Inside Diameter: 13mm, Temper: As drawn, Length: 150 mm



Powder

NB006022 Max. Particle size: **74micron**, Purity: 99.85%



Lump

NB006100 Max. Lump size: **10mm**, Purity: 99.9%, Condition: Pellets



Sphere

NB006840 Diameter: **4.0mm**, Purity: 99.9%



Single Crystal

NB002110 Oriented: **(100)**, Diameter: 12mm, Purity: 99.99%, Length: 2mm, Condition: Unpolished

NB002111 Oriented: **(100)**, Diameter: 12mm, Purity: 99.99%, Length: 2mm, Condition: Polished on 1 side to 1 micron

NB002059 Oriented: **(110)**, Diameter: 6mm, Purity: 99.99%, Length: 10mm

NB002060 Oriented: **(110)**, Diameter: 6mm, Purity: 99.99%, Length: 25mm

NB002061 Oriented: **(110)**, Diameter: 6mm, Purity: 99.99%, Length: 50mm

NB002119 Oriented: **(110)**, Diameter: 12mm, Purity: 99.99%, Length: 10mm

NB002120 Oriented: **(110)**, Diameter: 12mm, Purity: 99.99%, Length: 25mm

NB002121 Oriented: **(110)**, Diameter: 12mm, Purity: 99.99%, Length: 50mm

NB002129 Oriented: **(111)**, Diameter: 12mm, Purity: 99.99%, Length: 10mm

Osmium (Os)



Powder

OS006010 Max. Particle size: **500micron**, Purity: 99.9%



Lump

OS006100 Max. Lump size: **3mm**, Purity: 99.9%

Palladium (Pd)



Microfoil

PD004300 Thinness: **0.05μm**, Specific density: 63.6 μg.cm⁻², Purity: 99.99%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 50 mm

PD004500 Thinness: **0.1μm**, Specific density: 119.2 μg.cm⁻², Purity: 99.99%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 50 mm

PD004600 Thinness: **0.25μm**, Specific density: 303.4 μg.cm⁻², Purity: 99.99%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 50 mm

PD004700 Thinness: **0.5μm**, Specific density: 303.4 μg.cm⁻², Purity: 99.99%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm



Foil

PD000170 Thickness: **0.0005mm**, Purity: 99.75%, Size: 25x25 mm to 50x50 mm

PD000180 Thickness: **0.00075mm**, Purity: 99.75%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

PD000190 Thickness: **0.001mm**, Purity: 99.75%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

PD000201 Thickness: **0.0015mm**, Purity: 99.95%, Size: 25x25 mm

PD000202 Thickness: **0.002mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm

PD000206 Thickness: **0.0025mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm

PD000203 Thickness: **0.003mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm

PD000204 Thickness: **0.004mm**, Purity: 99.95%, Size: 25x25 mm to 100x100 mm

PD000205 Thickness: **0.005mm**, Purity: 99.95%, Size: 25x25 mm to 100x100 mm

PD000200 Thickness: **0.006mm**, Purity: 99.95%, Size: 25x25 mm to 100x100 mm

PD000240 Thickness: **0.008mm**, Purity: 99.95%, Size: 25x25 mm to 100x100 mm

PD000241 Thickness: **0.008mm**, Purity: 99.95%, Size: 150x150 mm

PD000250 Thickness: **0.0125mm**, Purity: 99.95%, Size: 25x25 mm to 100x100 mm

PD000251 Thickness: **0.0125mm**, Purity: 99.95%, Size: 150x150 mm

PD000255 Thickness: **0.02mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PD000256 Thickness: **0.02mm**, Purity: 99.95%, Temper: As rolled, Size: 150x150 mm

PD000260 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 100x100 mm

PD000263 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Size: 150x150 mm

PD000270 Thickness: **0.025mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PD000261 Thickness: **0.03mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PD000264 Thickness: **0.03mm**, Purity: 99.95%, Temper: As rolled, Size: 150x150 mm

PD000262 Thickness: **0.047mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PD000272 Thickness: **0.075mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PD000276 Thickness: **0.1mm**, Purity: 99.95%, Temper: As rolled, Coil width 2 mm Length : 0.1 m to 2 m

Metals

- PD000275** Thickness: **0.1mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- PD000278** Thickness: **0.1mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- PD000290** Thickness: **0.125mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- PD000300** Thickness: **0.25mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- PD000310** Thickness: **0.25mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- PD000350** Thickness: **0.50mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm
- PD000351** Thickness: **0.50mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 10x10 mm to 25x25 mm
- PD000375** Thickness: **1.0mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- PD000500** Thickness: **2.0mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

- PD009202** Thickness: **0.25mm**, Purity: 99.95%, Size: 50 mm to 60 mm
- PD009206** Thickness: **1.0mm**, Purity: 99.95%, Size: 25 mm to 50.8 mm
- PD009300** Thickness: **3mm**, Purity: 99.95%, Size: 10 mm to 25 mm



Wire

- PD005100** Diameter: **0.01mm**, Purity: 99.9%, Temper: As drawn
- PD005110** Diameter: **0.02mm**, Purity: 99.95%, Temper: As drawn
- PD005113** Diameter: **0.025mm**, Purity: 99.9%, Temper: As drawn
- PD005116** Diameter: **0.05mm**, Purity: 99.9%, Temper: As drawn
- PD005120** Diameter: **0.125mm**, Purity: 99.95%, Temper: Hard
- PD005130** Diameter: **0.25mm**, Purity: 99.95%, Temper: Hard
- PD005140** Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: As drawn
- PD005146** Diameter: **0.5mm**, Purity: 99.95%, Temper: As drawn
- PD005150** Diameter: **1.0mm**, Purity: 99.95%, Temper: Hard



Rod

- PD007920** Diameter: **2.0mm**, Purity: 99.95%, Length: 25 mm to 100 mm
- PD007940** Diameter: **4.0mm**, Purity: 99.95%, Length: 25 mm to 100 mm
- PD007950** Diameter: **6.0mm**, Purity: 99.95%, Length: 10 mm to 50 mm



Tube

- PD007100** Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Purity: 99.95%, Inside Diameter: 0.8mm, Temper: As drawn, Length: 50 mm to 200 mm
- PD007150** Outside Diameter: **2.0mm**, Wall Thickness: 0.2mm, Purity: 99.95%, Inside Diameter: 1.6mm, Temper: As drawn, Length: 50 mm to 200 mm

- PD007200** Outside Diameter: **3.5mm**, Wall Thickness: 0.25mm, Purity: 99.95%, Inside Diameter: 3mm, Temper: As drawn, Length: 50 mm to 200 mm
- PD007250** Outside Diameter: **5.0mm**, Wall Thickness: 0.3mm, Purity: 99.95%, Inside Diameter: 4.4mm, Temper: As drawn, Length: 50 mm to 200 mm
- PD007260** Outside Diameter: **6mm**, Wall Thickness: 0.5mm, Purity: 99.95%, Inside Diameter: 5mm, Temper: As drawn, Condition: Half-round closed at one end, Length: 120 mm



Powder

- PD006022** Mean Particle size: **0.1-0.3micron**, Purity: 99.95%
- PD006015** Max. Particle size: **10micron**, Purity: 99.95%
- PD006012** Max. Particle size: **150micron**, Purity: 99.95%
- PD006010** Max. Particle size: **400micron**, Purity: 99.95%



Lump

- PD006100** Max. Lump size: **6mm**, Purity: 99.95%



Single Crystal

- PD002120** Oriented: **(100)**, Diameter: 10mm, Length: 2mm
- PD002121** Oriented: **(100)**, Diameter: 10mm, Length: 2mm, Condition: Polished on 1 side to 1 micron
- PD002130** Oriented: **(111)**, Diameter: 10mm, Length: 2mm, Condition: Unpolished
- PD002131** Oriented: **(111)**, Diameter: 10mm, Length: 2mm, Condition: Polished on 1 side to 1 micron

Platinum (Pt)



Microfoil

- PT004500** Thinness: **0.1μm**, Specific density: 120 μg.cm⁻², Purity: 99.99%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm
- PT004600** Thinness: **0.25μm**, Specific density: 300 μg.cm⁻², Purity: 99.99%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm
- PT004700** Thinness: **0.5μm**, Specific density: 600 μg.cm⁻², Purity: 99.99%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm
- PT004800** Thinness: **0.75μm**, Specific density: 900 μg.cm⁻², Purity: 99.99%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm
- PT004850** Thinness: **1.0μm**, Specific density: 900 μg.cm⁻², Purity: 99.99%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm



Foil

- PT000170** Thickness: **0.0005mm**, Purity: 99.85%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm
- PT000180** Thickness: **0.00075mm**, Purity: 99.85%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm
- PT000190** Thickness: **0.001mm**, Purity: 99.85%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm
- PT000200** Thickness: **0.001mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm
- PT000201** Thickness: **0.00125mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm

Metals

PT000202 Thickness: **0.0015mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PT000203 Thickness: **0.002mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT000206 Thickness: **0.0025mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT000204 Thickness: **0.003mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT000207 Thickness: **0.004mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT000208 Thickness: **0.005mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT000210 Thickness: **0.0075mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

PT000215 Thickness: **0.01mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT000220 Thickness: **0.0125mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT000228 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Ribbon width 0.4 mm Length : 0.05 m to 0.5 m

PT000233 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Ribbon width 0.85 mm Length : 0.05 m to 0.5 m

PT000229 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Diameter: 1.2 mm

PT000235 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Coil width 1.2 mm Length : 0.05 m to 0.5 m

PT000234 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Coil width 1.6 mm Length : 0.05 m to 0.5 m

PT000237 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Coil width 2 mm Length : 0.05 m to 0.5 m

PT000232 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Coil width 5 mm Length : 0.05 m to 0.5 m

PT000236 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Coil width 8 mm Length : 0.05 m to 0.5 m

PT000230 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT000231 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Size: 150x150 mm

PT000240 Thickness: **0.025mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT000242 Thickness: **0.029mm**, Purity: 99.99%, Temper: As rolled, Ribbon width 0.34 mm Length : 0.05 m to 1 m

PT000227 Thickness: **0.030mm**, Purity: 99.95%, Temper: As rolled, Ribbon width 0.7 mm Length : 0.05 m to 0.5 m

PT000246 Thickness: **0.045mm**, Purity: 99.95%, Temper: As rolled, Ribbon width 0.75 mm Length : 0.05 m to 0.5 m

PT000248 Thickness: **0.05mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT000249 Thickness: **0.05mm**, Purity: 99.99%, Temper: As rolled, Coil width 1 mm Length : 0.05 m to 0.5 m

PT000261 Thickness: **0.1mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT000260 Thickness: **0.1mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT000251 Thickness: **0.125mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT000252 Thickness: **0.125mm**, Purity: 99.99%, Temper: As rolled, Coil width 2.5 mm Length : 0.05 m to 0.2 m

PT000250 Thickness: **0.125mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT000263 Thickness: **0.15mm**, Purity: 99.99%, Temper: As rolled, Ribbon width 0.9 mm Length : 0.05 m to 0.2 m

PT000265 Thickness: **0.2mm**, Purity: 99.95%, Temper: As rolled, Coil width 5 mm Length : 0.05 m to 0.1 m

PT000264 Thickness: **0.2mm**, Purity: 99.95%, Temper: As rolled, Size: 15x15 mm to 60x60 mm

PT000270 Thickness: **0.25mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT000271 Thickness: **0.25mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm

PT000300 Thickness: **0.5mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm

PT000320 Thickness: **1.0mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm

PT000350 Thickness: **2.0mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm



Sputtering Target

PT009202 Thickness: **0.2mm**, Purity: 99.95%, Size: 25 mm to 57 mm

PT009205 Thickness: **0.5mm**, Purity: 99.95%, Size: 50 mm to 54 mm

PT009206 Thickness: **1.0mm**, Purity: 99.95%, Size: 25.4 mm to 76.2 mm

PT009210 Thickness: **2.0mm**, Purity: 99.95%, Size: 25.4 mm to 76.2 mm



Mesh

PT008710 Nominal Aperture: **0.25mm**, Purity: 99.9%, Wire diameter: 0.06mm, Wires/inch: 82x82, Open area: 65%, Type: Plain weave mesh, Size: 20x20 mm to 100x100 mm



Wire

PT005101 Diameter: **0.0006mm**, Purity: 99.9%, Condition: Wollaston wire

PT005102 Diameter: **0.001mm**, Purity: 99.9%, Condition: Wollaston wire

PT005103 Diameter: **0.002mm**, Purity: 99.9%, Condition: Wollaston wire

PT005105 Diameter: **0.005mm**, Purity: 99.9%, Condition: Wollaston wire

PT005106 Diameter: **0.006mm**, Purity: 99.9%, Condition: Wollaston wire

PT005109 Diameter: **0.01mm**, Purity: 99.9%, Condition: Wollaston wire

PT005107 Diameter: **0.01mm**, Purity: 99.9%, Temper: Hard

PT005108 Diameter: **0.0125mm**, Purity: 99.9%, Temper: Hard

PT005122 Diameter: **0.015mm**, Purity: 99.99%, Temper: Annealed

Metals

PT005110	Diameter: 0.02mm , Purity: 99.9%, Temper: As drawn
PT005113	Diameter: 0.025mm , Purity: 99.9%, Temper: Hard
PT005114	Diameter: 0.025mm , Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT005124	Diameter: 0.04mm , Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT005116	Diameter: 0.05mm , Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT005115	Diameter: 0.05mm , Purity: 99.99%, Temper: Hard
PT005112	Diameter: 0.063mm , Purity: 99.9%, Temper: Hard
PT005123	Diameter: 0.08mm , Purity: 99.9%, Temper: Hard
PT005127	Diameter: 0.1mm , Purity: 99.99%, Temper: Hard
PT005117	Diameter: 0.125mm , Purity: 99.95%, Temper: As drawn
PT005118	Diameter: 0.125mm , Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT005119	Diameter: 0.15mm , Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT005126	Diameter: 0.175mm , Purity: 99.95%, Temper: As drawn
PT005129	Diameter: 0.175mm , Purity: 99.95%, Temper: Annealed
PT005130	Diameter: 0.20mm , Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT005120	Diameter: 0.25mm , Purity: 99.95%, Temper: Hard
PT005121	Diameter: 0.25mm , Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT005140	Diameter: 0.25mm , High Purity: 99.99 + %, Temper: As drawn
PT005141	Diameter: 0.25mm , High Purity: 99.998%, Temper: As drawn
PT005125	Diameter: 0.3mm , Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT005128	Diameter: 0.3mm , Purity: 99.99%, Temper: As drawn
PT005142	Diameter: 0.40mm , Purity: 99.99%, Temper: As drawn, Thermocouple wire: May be used as one component of a Thermocouple
PT005146	Diameter: 0.5mm , Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT005145	Diameter: 0.5mm , High Purity: 99.99 + %, Temper: As drawn

PT005144	Diameter: 0.5mm , High Purity: 99.998%, Temper: As drawn
PT005148	Diameter: 0.6mm , High Purity: 99.99 + %, Temper: As drawn
PT005149	Diameter: 0.8mm , Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT005150	Diameter: 1.0mm , Purity: 99.95%, Temper: Hard
PT005156	Diameter: 1.0mm , Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT005155	Diameter: 1.0mm , High Purity: 99.99 + %, Temper: As drawn



Insulated Wire

PT005805	Conductor diameter: 0.015mm , Insulation thickness: 0.002mm, Purity: 99.99%, Insulation: Polyimide
PT005808	Conductor diameter: 0.018mm , Insulation thickness: 0.002mm, Purity: 99.99%, Insulation: Polyester
PT005820	Conductor diameter: 0.025mm , Insulation thickness: 0.005mm, Purity: 99.99%, Insulation: Polyester
PT005821	Conductor diameter: 0.025mm , Insulation thickness: 0.005mm, Purity: 99.99%, Insulation: Polyimide
PT005825	Conductor diameter: 0.025mm , Insulation thickness: 0.001mm, Purity: 99.999%, Insulation: Teflon
PT005830	Conductor diameter: 0.05mm , Insulation thickness: 0.0075mm, Purity: 99.99%, Insulation: Polyester
PT005835	Conductor diameter: 0.05mm , Insulation thickness: 0.009mm, Purity: 99.99%, Insulation: Teflon
PT005840	Conductor diameter: 0.125mm , Insulation thickness: 0.014mm, Purity: 99.99%, Insulation: Polyester
PT005810	Conductor diameter: 0.125mm , Insulation thickness: 0.016mm, Purity: 99.99%, Insulation: Teflon



Rod

PT007910	Diameter: 1.0mm , Purity: 99.95%, Length: 25 mm to 200 mm
PT007916	Diameter: 1.6mm , Purity: 99.95%, Length: 25 mm to 100 mm
PT007920	Diameter: 2.0mm , Purity: 99.95%, Length: 10 mm to 50 mm
PT007921	Diameter: 2.0mm , Purity: 99.95%, Length: 2 mm
PT007930	Diameter: 3.0mm , Purity: 99.95%, Length: 10 mm to 50 mm
PT007940	Diameter: 4.0mm , Purity: 99.95%, Length: 10 mm to 50 mm
PT007950	Diameter: 5.0mm , Purity: 99.95%, Length: 10 mm to 50 mm
PT007961	Diameter: 6.0mm , High Purity: 99.99 + %, Length: 6.5 mm
PT007960	Diameter: 6.35mm , Purity: 99.95%, Length: 10 mm to 50 mm
PT007981	Diameter: 8.0mm , Purity: 99.95%, Length: 10 mm to 25 mm

Metals

PT007995 Diameter: **12.0mm**, Purity: 99.95%, Length: 10 mm to 25 mm



Tube

PT007050 Outside Diameter: **0.29mm**, Wall Thickness: 0.11mm, Purity: 99.95%, Inside Diameter: 0.07mm, Temper: As drawn, Length: 100 mm to 1000 mm

PT007100 Outside Diameter: **0.4mm**, Wall Thickness: 0.15mm, Purity: 99.95%, Inside Diameter: 0.1mm, Temper: As drawn, Length: 100 mm to 1000 mm

PT007105 Outside Diameter: **0.40mm**, Wall Thickness: 0.12mm, Purity: 99.95%, Inside Diameter: 0.16mm, Temper: As drawn, Length: 50 mm to 500 mm

PT007115 Outside Diameter: **0.48mm**, Wall Thickness: 0.16mm, Purity: 99.95%, Inside Diameter: 0.16mm, Temper: As drawn, Length: 50 mm to 1000 mm

PT007120 Outside Diameter: **0.5mm**, Wall Thickness: 0.04mm, Purity: 99.95%, Inside Diameter: 0.42mm, Temper: As drawn, Length: 100 mm to 1000 mm

PT007128 Outside Diameter: **0.6mm**, Wall Thickness: 0.15mm, Purity: 99.95%, Inside Diameter: 0.3mm, Temper: As drawn, Length: 50 mm to 500 mm

PT007125 Outside Diameter: **0.6mm**, Wall Thickness: 0.05mm, Purity: 99.95%, Inside Diameter: 0.5mm, Temper: As drawn, Length: 100 mm to 1000 mm

PT007124 Outside Diameter: **0.6mm**, Wall Thickness: 0.04mm, Purity: 99.95%, Inside Diameter: 0.52mm, Temper: As drawn, Length: 100 mm to 1000 mm

PT007130 Outside Diameter: **0.65mm**, Wall Thickness: 0.04mm, Purity: 99.95%, Inside Diameter: 0.57mm, Temper: As drawn, Length: 100 mm to 1000 mm

PT007150 Outside Diameter: **0.7mm**, Wall Thickness: 0.15mm, Purity: 99.95%, Inside Diameter: 0.4mm, Temper: As drawn, Length: 50 mm to 500 mm

PT007190 Outside Diameter: **0.95mm**, Wall Thickness: 0.175mm, Purity: 99.95%, Inside Diameter: 0.60mm, Temper: As drawn, Length: 50 mm to 500 mm

PT007200 Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Purity: 99.95%, Inside Diameter: 0.8mm, Temper: As drawn, Length: 50 mm to 500 mm

PT007220 Outside Diameter: **1.2mm**, Wall Thickness: 0.1mm, Purity: 99.95%, Inside Diameter: 1mm, Temper: As drawn, Length: 50 mm to 500 mm

PT007250 Outside Diameter: **2.0mm**, Wall Thickness: 0.2mm, Purity: 99.95%, Inside Diameter: 1.6mm, Temper: As drawn, Length: 50 mm to 200 mm

PT007260 Outside Diameter: **2.13mm**, Wall Thickness: 0.175mm, Purity: 99.95%, Inside Diameter: 1.78mm, Temper: As drawn, Length: 50 mm to 200 mm

PT007300 Outside Diameter: **3.0mm**, Wall Thickness: 0.1mm, Purity: 99.95%, Inside Diameter: 2.8mm, Temper: As drawn, Length: 50 mm to 200 mm

PT007500 Outside Diameter: **6mm**, Wall Thickness: 0.2mm, Purity: 99.95%, Inside Diameter: 5.6mm, Temper: As drawn, Length: 25 mm to 50 mm



Powder

PT006021 Max. Particle size: **3.5micron**, Purity: 99.95%

PT006015 Max. Particle size: **45micron**, Purity: 99.95%

PT006016 Max. Particle size: **150micron**, Purity: 99.95%



Lump

PT006100 Max. Lump size: **6mm**, Purity: 99.95%, Condition: Pellets

PT006101 Max. Lump size: **6mm**, Purity: 99.95%, Condition: Pellets

PT006102 Max. Lump size: **8mm**, Purity: 99.95%, Condition: Granular



Single Crystal

PT002120 Oriented: **(100)**, Diameter: 10mm, Purity: 99.999%, Length: 1mm, Condition: Unpolished

PT002121 Oriented: **(100)**, Diameter: 10mm, Purity: 99.999%, Length: 1mm, Condition: Polished on 1 side to 1 micron

PT002130 Oriented: **(111)**, Diameter: 10mm, Purity: 99.999%, Length: 1mm, Condition: Unpolished

PT002131 Oriented: **(111)**, Diameter: 10mm, Purity: 99.999%, Length: 1mm, Condition: Polished on 1 side to 1 micron

Potassium (K)



Lump

K 006100 Max. Lump size: **25mm**, Purity: 99.97%

Praseodymium (Pr)



Foil

PR000050 Thickness: **0.005mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PR000100 Thickness: **0.01mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PR000150 Thickness: **0.015mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PR000200 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PR000210 Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PR000230 Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

PR009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm

PR009300 Thickness: **3.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm



Wire

PR005110 Diameter: **1.0mm**, Purity: 99.9%, Temper: Hard



Rod

PR007910 Diameter: **6.35mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm



Powder

PR006010 Max. Particle size: **250micron**, Purity: 99.9%



Lump

PR006100 Max. Lump size: **25mm**, Purity: 99.9%, Packing Note: Packed in Oil

Metals

Rhenium (Re)



Foil

- RE000200** Thickness: **0.0125mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 50x50 mm
- RE000214** Thickness: **0.025mm**, Purity: 99.99%, Temper: Annealed, Ribbon width 0.76 mm Length : 0.1 m to 5 m
- RE000210** Thickness: **0.025mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 50x50 mm
- RE000220** Thickness: **0.03mm**, Purity: 99.99%, Temper: Annealed, Ribbon width 0.76 mm Length : 0.1 m to 2 m
- RE000228** Thickness: **0.04mm**, Purity: 99.99%, Temper: Annealed, Ribbon width 0.7 mm Length : 0.1 m to 2 m
- RE000229** Thickness: **0.04mm**, Purity: 99.99%, Temper: Annealed, Ribbon width 0.8 mm Length : 0.1 m to 2 m
- RE000234** Thickness: **0.05mm**, Purity: 99.99%, Temper: Annealed, Ribbon width 0.76 mm Length : 0.1 m to 2 m
- RE000230** Thickness: **0.05mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 50x50 mm
- RE000240** Thickness: **0.125mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 50x50 mm
- RE000245** Thickness: **0.20mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 50x100 mm
- RE000250** Thickness: **0.25mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 50x50 mm
- RE000270** Thickness: **0.5mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 50x50 mm
- RE000301** Thickness: **1.0mm**, Purity: 99.99%, Temper: Annealed, Diameter: 12 mm
- RE000300** Thickness: **1.0mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm



Sputtering Target

- RE009100** Thickness: **1.0mm**, Purity: 99.99%, Size: 25.4 mm to 50.8 mm



Wire

- RE005105** Diameter: **0.076mm**, Purity: 99.97%, Temper: Annealed
- RE005106** Diameter: **0.10mm**, Purity: 99.97%, Temper: Annealed
- RE005108** Diameter: **0.125mm**, Purity: 99.97%, Temper: Annealed
- RE005110** Diameter: **0.15mm**, Purity: 99.97%, Temper: Annealed
- RE005112** Diameter: **0.178mm**, Purity: 99.97%, Temper: Annealed
- RE005115** Diameter: **0.2mm**, Purity: 99.97%, Temper: Annealed
- RE005120** Diameter: **0.25mm**, Purity: 99.97%, Temper: Annealed
- RE005125** Diameter: **0.3mm**, Purity: 99.97%, Temper: Annealed
- RE005130** Diameter: **0.5mm**, Purity: 99.97%, Temper: Annealed
- RE005140** Diameter: **1.0mm**, Purity: 99.97%, Temper: Annealed



Rod

- RE007905** Diameter: **1.5mm**, Purity: 99.99%, Temper: Annealed, Length: 25 mm to 100 mm
- RE007920** Diameter: **5.0mm**, Purity: 99.99%, Length: 25 mm to 50 mm



Powder

- RE006011** Max. Particle size: **45micron**, Purity: 99.99%



Lump

- RE006100** Max. Lump size: **10mm**, Purity: 99.99%, Condition: Pellets



Single Crystal

- RE002110** Oriented: **(0001)**, Diameter: 8mm, Purity: 99.999%, Length: 1mm
- RE002111** Oriented: **(0001)**, Diameter: 8mm, Purity: 99.999%, Length: 1mm, Condition: Polished on 1 side to 1 micron

Rhodium (Rh)



Microfoil

- RH004500** Thinness: **0.1μm**, Specific density: 124 μg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm
- RH004600** Thinness: **0.25μm**, Specific density: 310 μg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm
- RH004700** Thinness: **0.50μm**, Specific density: 620 μg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm



Foil

- RH000160** Thickness: **0.00025mm**, Purity: 99.85%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm
- RH000170** Thickness: **0.0005mm**, Purity: 99.85%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm
- RH000180** Thickness: **0.00075mm**, Purity: 99.85%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm
- RH000190** Thickness: **0.001mm**, Purity: 99.85%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm
- RH000203** Thickness: **0.006mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- RH000205** Thickness: **0.012mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- RH000200** Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 50x50 mm
- RH000201** Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Condition: X-ray quality, Size: 25x25 mm to 50x50 mm
- RH000210** Thickness: **0.05mm**, Purity: 99.9%, Temper: As rolled, Size: 15x15 mm to 50x50 mm
- RH000212** Thickness: **0.05mm**, Purity: 99.9%, Temper: As rolled, Condition: X-ray quality, Size: 25x25 mm to 50x50 mm
- RH000220** Thickness: **0.075mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- RH000225** Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- RH000230** Thickness: **0.125mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

Metals

RH000235 Thickness: **0.15mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

RH000250 Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

RH000270 Thickness: **0.5mm**, Purity: 99.9%, Temper: As rolled, Diameter: 12 mm

RH000271 Thickness: **0.5mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

RH000301 Thickness: **1.0mm**, Purity: 99.9%, Temper: As rolled, Diameter: 12 mm

RH000300 Thickness: **1.0mm**, Purity: 99.9%, Temper: As rolled, Size: 10x10 mm to 50x50 mm



Sputtering Target

RH009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 25 mm to 50 mm



Wire

RH005105 Diameter: **0.12mm**, Purity: 99.9%, Temper: As drawn

RH005110 Diameter: **0.25mm**, Purity: 99.9%, Temper: Hard

RH005120 Diameter: **0.5mm**, Purity: 99.9%, Temper: As drawn

RH005130 Diameter: **1.0mm**, Purity: 99.9%, Temper: As drawn



Rod

RH007910 Diameter: **2.0mm**, Purity: 99.9%, Temper: As drawn, Length: 10 mm to 100 mm

RH007915 Diameter: **3.0mm**, Purity: 99.9%, Temper: As drawn, Length: 10 mm to 100 mm

RH007920 Diameter: **5.0mm**, Purity: 99.9%, Temper: As drawn, Length: 10 mm to 30 mm



Powder

RH006010 Max. Particle size: **400micron**, Purity: 99.9%



Lump

RH006100 Max. Lump size: **12mm**, Purity: 99.9%, Condition: Pellets



Single Crystal

RH002110 Oriented: **(100)**, Diameter: 8mm, Purity: 99.999%, Length: 1mm

Rubidium (Rb)



Lump

RB006100 Max. Lump size: **5mm**, Purity: 99.9%

Ruthenium (Ru)



Microfoil

RU004200 Thinness: **0.025μm**, Specific density: 30.5 μg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

RU004500 Thinness: **0.1μm**, Specific density: 122 μg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm



Foil

RU000220 Thickness: **1.0mm**, Purity: 99.9%, Size: 6x6 mm to 50x50 mm

RU000250 Thickness: **3.0mm**, Purity: 99.9%, Size: 25x25 mm



Sputtering Target

RU009100 Thickness: **2.0mm**, Purity: 99.9%, Size: 50 mm

RU009200 Thickness: **3.0mm**, Purity: 99.9%, Size: 25 mm to 75 mm

RU009600 Thickness: **6.35mm**, Purity: 99.9%, Size: 25.4 mm



Rod

RU007910 Diameter: **12.7mm**, Purity: 99.9%, Length: 12.7 mm



Bar

RU008010 Side Length: **2mm**, Side Length (of longer side): 2mm, Purity: 99.9%, Length: 25 mm to 50 mm



Powder

RU006012 Max. Particle size: **450micron**, Purity: 99.9%

RU006020 Max. Particle size: **850micron**, Purity: 99.9%



Lump

RU006100 Max. Lump size: **10mm**, Purity: 99.9%, Condition: Pellets



Single Crystal

RU002110 Oriented: **(0001)**, Diameter: 8mm, Purity: 99.999%, Length: 1mm

RU002111 Oriented: **(0001)**, Diameter: 8mm, Purity: 99.999%, Length: 1mm, Condition: Polished on 1 side to 1 micron

Samarium (Sm)



Foil

SM000205 Thickness: **0.005mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm

SM000200 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

SM000210 Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

SM000230 Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

SM009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm



Rod

SM007910 Diameter: **6.35mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm



Powder

SM006010 Max. Particle size: **500micron**, Purity: 99.9%



Lump

SM006100 Max. Lump size: **25mm**, Purity: 99.9%

Scandium (Sc)



Foil

SC000205 Thickness: **0.0125mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm

SC000200 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm

SC000211 Thickness: **0.12mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

Metals

**Powder****SC006010** Max. Particle size: **250micron**, Purity: 99.9%**Lump****SC006100** Max. Lump size: **25.4mm**, Purity: 96 + %**Selenium (Se)****Foil****SE000500** Thickness: **3mm**, Size: 25x25 mm**Sputtering Target****SE009300** Thickness: **3mm**, Size: 50 mm**Powder****SE006010** Max. Particle size: **250micron**, Purity: 99.95%**Lump****SE006110** Max. Lump size: **3mm**, High Purity: 99.999%, Condition: Pellets**Silicon (Si)****Sheet****SI003050** Thickness: **0.38mm**, Purity: 99.999%, Condition: Single crystal, Diameter: 13 mm**SI003051** Thickness: **0.38mm**, Purity: 99.999%, Condition: Single crystal, Electrical type: N-Type, Oriented: (100), Diameter: 15.9 mm**SI003052** Thickness: **0.38mm**, Purity: 99.999%, Condition: Single crystal, Electrical type: N-Type, Oriented: (111), Diameter: 15.9 mm**SI003077** Thickness: **0.5mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (100), Electrical type: N-Type, Size: 10x10 mm**SI003078** Thickness: **0.6mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (100), Electrical type: N-Type, Size: 10x10 mm**SI003120** Thickness: **1.0mm**, Purity: 99.999%, Condition: Polycrystalline, Size: 25x25 mm**SI003100** Thickness: **1.0mm**, Purity: 99.999%, Condition: Single crystal, Size: 14x14 mm to 25x25 mm**SI003121** Thickness: **1.0mm**, Purity: 99.999%, Condition: Polycrystalline, Size: 52x52 mm**SI003140** Thickness: **3.0mm**, Purity: 99.999%, Condition: Single crystal, Electrical type: P-type, Size: 40x40 mm**Sputtering Target****SI009300** Thickness: **3.0mm**, Purity: 99.999%, Size: 25 mm to 75 mm**SI009600** Thickness: **6.0mm**, Purity: 99.999%, Size: 50.8 mm to 101.6 mm**Rod****SI007905** Diameter: **2.0mm**, Purity: 99.999%, Condition: Crystalline, Length: 10 mm to 100 mm**SI007908** Diameter: **3.15mm**, Purity: 99.999%, Condition: Single crystal - Random orientation, Length: 25 mm to 50 mm**SI007915** Diameter: **5mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (100), Length: 50 mm**SI007916** Diameter: **5mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (111), Length: 50 mm**SI007910** Diameter: **5.0mm**, Purity: 99.999%, Condition: Crystalline, Length: 50 mm to 100 mm**SI007918** Diameter: **6mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (111), Length: 50 mm**SI007926** Diameter: **12.7mm**, Purity: 99.999%, Condition: Single crystal - Random orientation, Length: 100 mm**SI007931** Diameter: **20mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (111), Length: 40 mm**SI007930** Diameter: **20mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (100), Length: 40 mm to 80 mm**SI007940** Diameter: **25mm**, Purity: 99.999%, Condition: Crystalline, Length: 100 mm**Powder****SI006015** Max. Particle size: **45micron**, Purity: 99.5%**SI006031** Max. Particle size: **45micron**, Purity: 99.95%**SI006030** Max. Particle size: **45micron**, High Purity: 99.998%**SI006010** Max. Particle size: **150micron**, Purity: 97.5%**Lump****SI006102** Max. Lump size: **25mm**, Purity: 99.95%, Condition: Polycrystalline**SI006101** Max. Lump size: **25mm**, Purity: 99.99%, Condition: Polycrystalline**SI006100** Max. Lump size: **25mm**, Purity: 99.9995%, Condition: Polycrystalline**Sphere****SI006820** Diameter: **2.0mm****Single Crystal****SI002010** Oriented: **(100)**, Diameter: 76.2mm, Purity: 99.999%, Thickness: 0.38mm, Dopant: Phosphorus, Electrical type: N-Type**SI002090** Oriented: **(100)**, Diameter: 76.2mm, Purity: 99.999%, Length: 2.0mm, Dopant: Phosphorus, Electrical type: N-Type**SI002012** Oriented: **(100)**, Diameter: 76.2mm, Purity: 99.999%, Thickness: 0.38mm, Dopant: Boron, Electrical type: P-type**SI002015** Oriented: **(100)**, Diameter: 150mm, Purity: 99.999%, Thickness: 0.65mm, Dopant: Phosphorus, Electrical type: N-Type**SI002080** Oriented: **(111)**, Diameter: 57mm, Purity: 99.999%, Length: 1.0mm, Dopant: Boron, Electrical type: P-type**SI002011** Oriented: **(111)**, Diameter: 76.2mm, Purity: 99.999%, Thickness: 0.38mm, Dopant: Phosphorus, Electrical type: N-Type**SI002050** Oriented: **(111)**, Diameter: 76.2mm, Purity: 99.999%, Thickness: 0.50mm, Dopant: Phosphorus, Electrical type: N-Type**SI002076** Oriented: **(111)**, Diameter: 76.2mm, Purity: 99.999%, Thickness: 0.75mm, Dopant: Phosphorus, Electrical type: N-Type**SI002013** Oriented: **(111)**, Diameter: 76.2mm, Purity: 99.999%, Thickness: 0.38mm, Dopant: Boron, Electrical type: P-type**Silver (Ag)****Microfoil****AG004500** Thickness: **0.1μm**, Specific density: 110 μg.cm⁻², Purity: 99.95 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

Metals

AG004600 Thinness: **0.25 μ m**, Specific density: 262.3 μ g.cm⁻², Purity: 99.95+%, Support: Permanent Mylar 3.5 μ m, Diameter: 10 mm to 25 mm

AG004700 Thinness: **0.5 μ m**, Specific density: 522.6 μ g.cm⁻², Purity: 99.95+%, Support: Permanent Mylar 3.5 μ m, Diameter: 10 mm to 25 mm

AG004850 Thinness: **1.0 μ m**, Specific density: 1098 μ g.cm⁻², Purity: 99.95+%, Support: Permanent Mylar 3.5 μ m, Diameter: 10 mm to 25 mm



Foil

AG000070 Thickness: **0.0005mm**, Purity: 99.97%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

AG000080 Thickness: **0.00075mm**, Purity: 99.97%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

AG000090 Thickness: **0.001mm**, Purity: 99.97%, Size: 25x25 mm to 50x50 mm

AG000100 Thickness: **0.002mm**, Purity: 99.97%, Size: 25x25 mm to 100x100 mm

AG000110 Thickness: **0.0025mm**, Purity: 99.97%, Size: 25x25 mm to 100x100 mm

AG000215 Thickness: **0.003mm**, Purity: 99.9%, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

AG000120 Thickness: **0.004mm**, Purity: 99.97%, Size: 25x25 mm to 150x150 mm

AG000130 Thickness: **0.005mm**, Purity: 99.97%, Size: 25x25 mm to 150x150 mm

AG000140 Thickness: **0.006mm**, Purity: 99.97%, Size: 25x25 mm to 150x150 mm

AG000150 Thickness: **0.007mm**, Purity: 99.97%, Size: 25x25 mm to 150x150 mm

AG000218 Thickness: **0.008mm**, Purity: 99.95+%, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

AG000160 Thickness: **0.008mm**, Purity: 99.97%, Size: 25x25 mm to 150x150 mm

AG000170 Thickness: **0.009mm**, Purity: 99.97%, Size: 25x25 mm to 150x150 mm

AG000220 Thickness: **0.01mm**, Purity: 99.95+%, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

AG000241 Thickness: **0.0125mm**, Purity: 99.95+%, Coil width 9 mm Length : 0.5 m to 10 m

AG000240 Thickness: **0.0125mm**, Purity: 99.95+%, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

AG000250 Thickness: **0.015mm**, Purity: 99.95+%, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

AG000180 Thickness: **0.015mm**, Purity: 99.97%, Size: 50x50 mm to 150x150 mm

AG000190 Thickness: **0.02mm**, Purity: 99.97%, Size: 100x100 mm to 150x150 mm

AG000260 Thickness: **0.025mm**, Purity: 99.95+%, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 300x300 mm

AG000265 Thickness: **0.025mm**, Purity: 99.95+%, Temper: Annealed, Coil width 250 mm, Size: 25x25 mm to 250x300 mm

AG000266 Thickness: **0.025mm**, Purity: 99.95+%, Temper: Annealed, Coil width 300 mm, Size: 150x150 mm to 300x300 mm

AG000270 Thickness: **0.025mm**, High Purity: 99.99+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

AG000280 Thickness: **0.035mm**, Purity: 99.95+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

AG000281 Thickness: **0.035mm**, Purity: 99.95+%, Temper: As rolled, Coil width 300 mm, Size: 300x300 mm

AG000300 Thickness: **0.05mm**, Purity: 99.95+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x300 mm

AG000305 Thickness: **0.05mm**, Purity: 99.95+%, Temper: Annealed, Coil width 300 mm, Size: 300x300 mm

AG000340 Thickness: **0.075mm**, Purity: 99.95+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x300 mm

AG000350 Thickness: **0.1mm**, Purity: 99.95+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

AG000351 Thickness: **0.1mm**, Purity: 99.95+%, Temper: Annealed, Coil width 300 mm, Size: 300x300 mm

AG000400 Thickness: **0.125mm**, Purity: 99.95+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x300 mm

AG000401 Thickness: **0.125mm**, Purity: 99.95+%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm

AG000402 Thickness: **0.125mm**, Purity: 99.95+%, Temper: Annealed, Coil width 300 mm Length : 0.3 m to 0.5 m

AG000360 Thickness: **0.125mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AG000410 Thickness: **0.15mm**, Purity: 99.95+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

AG000450 Thickness: **0.25mm**, Purity: 99.95+%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AG000451 Thickness: **0.25mm**, Purity: 99.95+%, Temper: As rolled, Condition: Flattened, Size: 250x300 mm to 300x1000 mm

AG000460 Thickness: **0.25mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AG000466 Thickness: **0.5mm**, Purity: 99.95+%, Temper: As rolled, Diameter: 19 mm

AG000465 Thickness: **0.5mm**, Purity: 99.95+%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AG000470 Thickness: **0.5mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AG000475 Thickness: **1.0mm**, Purity: 99.95+%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AG000480 Thickness: **1.0mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AG000500 Thickness: **2.0mm**, Purity: 99.95+%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AG000530 Thickness: **3mm**, Purity: 99.95+%, Temper: As rolled, Size: 50x50 mm to 100x100 mm

AG000550 Thickness: **6mm**, Purity: 99.95+%, Temper: As rolled, Size: 50x50 mm to 100x100 mm

Metals



Sputtering Target

AG009300 Thickness: **3.0mm**, Purity: 99.99%, Size: 50 mm to 75 mm

AG009600 Thickness: **6.0mm**, Purity: 99.99%, Size: 50 mm to 75 mm



Mesh

AG008710 Nominal Aperture: **0.25mm**, Wire diameter: 0.06mm, Wires/inch: 82x82, Open area: 65%, Type: Plain weave mesh, Size: 20x20 mm to 100x100 mm



Wire

AG005102 Diameter: **0.0125mm**, Purity: 99.99%, Temper: Hard

AG005104 Diameter: **0.015mm**, Purity: 99.99%, Temper: Hard

AG005106 Diameter: **0.015mm**, Purity: 99.99%, Temper: Annealed

AG005105 Diameter: **0.025mm**, Purity: 99.99%, Temper: As drawn

AG005220 Diameter: **0.050mm**, Purity: 99.99%, Condition: Gold plated wire

AG005110 Diameter: **0.05mm**, Purity: 99.99%, Temper: Annealed

AG005120 Diameter: **0.125mm**, Purity: 99.99%, Temper: Annealed

AG005130 Diameter: **0.25mm**, Purity: 99.99%, Temper: Annealed

AG005140 Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: As drawn

AG005145 Diameter: **0.35mm**, Purity: 99.99%, Temper: Annealed

AG005150 Diameter: **0.5mm**, Purity: 99.99%, Temper: Annealed

AG005155 Diameter: **0.8mm**, Purity: 99.99%, Temper: As drawn

AG005160 Diameter: **1.0mm**, Purity: 99.99%, Temper: Annealed

AG005170 Diameter: **2.0mm**, Purity: 99.99%, Temper: Annealed



Insulated Wire

AG005816 Conductor diameter: **0.025mm**, Insulation thickness: 0.005mm, Purity: 99.99%, Insulation: Polyurethane

AG005815 Conductor diameter: **0.025mm**, Insulation thickness: 0.005mm, Purity: 99.99%, Insulation: Polyester

AG005825 Conductor diameter: **0.05mm**, Insulation thickness: 0.0075mm, Purity: 99.99%, Insulation: Polyester

AG005810 Conductor diameter: **0.075mm**, Insulation thickness: 0.010mm, Purity: 99.99%, Insulation: Teflon

AG005811 Conductor diameter: **0.075mm**, Insulation thickness: 0.010mm, Purity: 99.99%, Insulation: Nylon

AG005842 Conductor diameter: **0.125mm**, Insulation thickness: 0.0125mm, Purity: 99.9%, Insulation: Polyimide

AG005840 Conductor diameter: **0.125mm**, Insulation thickness: 0.0125mm, Purity: 99.99%, Insulation: Polyester

AG005845 Conductor diameter: **0.125mm**, Insulation thickness: 0.015mm, Purity: 99.99%, Insulation: Teflon

AG005856 Conductor diameter: **0.25mm**, Insulation thickness: 0.005mm, Purity: 99.99%, Insulation: Polyurethane

AG005860 Conductor diameter: **0.25mm**, Insulation thickness: 0.015mm, Purity: 99.99%, Insulation: Epoxy

AG005850 Conductor diameter: **0.25mm**, Insulation thickness: 0.023mm, Purity: 99.99%, Insulation: Polyester

AG005855 Conductor diameter: **0.25mm**, Insulation thickness: 0.024mm, Purity: 99.99%, Insulation: Teflon



Rod

AG007902 Diameter: **1.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm

AG007905 Diameter: **1.5mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm

AG007910 Diameter: **2.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm

AG007915 Diameter: **3.5mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm

AG007920 Diameter: **5.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm

AG007936 Diameter: **7.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 50 mm to 500 mm

AG007935 Diameter: **7.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 50 mm to 500 mm

AG007940 Diameter: **10.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 25 mm to 200 mm

AG007942 Diameter: **12.7mm**, Purity: 99.95 + %, Temper: As drawn, Length: 25 mm to 200 mm

AG007945 Diameter: **16mm**, Purity: 99.95 + %, Temper: As drawn, Length: 25 mm to 100 mm

AG007950 Diameter: **20.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 25 mm to 100 mm

AG007955 Diameter: **25mm**, Purity: 99.95 + %, Temper: As drawn, Length: 25 mm to 100 mm

AG007958 Diameter: **35mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm

AG007959 Diameter: **40.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 25 mm to 100 mm

AG007960 Diameter: **50.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 25 mm to 100 mm



Tube

AG007050 Outside Diameter: **0.7mm**, Wall Thickness: 0.2mm, Purity: 99.95 + %, Inside Diameter: 0.3mm, Temper: As drawn, Length: 100 mm to 1000 mm

AG007100 Outside Diameter: **1.1mm**, Wall Thickness: 0.175mm, Purity: 99.95 + %, Inside Diameter: 0.75mm, Temper: As drawn, Length: 100 mm to 1000 mm

AG007130 Outside Diameter: **1.64mm**, Wall Thickness: 0.275mm, Purity: 99.95 + %, Inside Diameter: 1.09mm, Temper: As drawn, Length: 16.5 mm

AG007150 Outside Diameter: **1.75mm**, Wall Thickness: 0.1mm, Purity: 99.95 + %, Inside Diameter: 1.55mm, Temper: As drawn, Length: 100 mm to 1000 mm

Metals

AG007200 Outside Diameter: **2.0mm**, Wall Thickness: 0.2mm, Purity: 99.95 + %, Inside Diameter: 1.6mm, Temper: As drawn, Length: 100 mm to 1000 mm

AG007220 Outside Diameter: **2.8mm**, Wall Thickness: 0.15mm, Purity: 99.95 + %, Inside Diameter: 2.5mm, Temper: As drawn, Length: 100 mm to 1000 mm

AG007230 Outside Diameter: **3.5mm**, Wall Thickness: 0.23mm, Purity: 99.95 + %, Inside Diameter: 3.04mm, Temper: As drawn, Length: 100 mm to 1000 mm

AG007250 Outside Diameter: **4.65mm**, Wall Thickness: 0.25mm, Purity: 99.95 + %, Inside Diameter: 4.15mm, Temper: As drawn, Length: 100 mm to 1000 mm

AG007251 Outside Diameter: **4.65mm**, Wall Thickness: 0.21mm, Purity: 99.95 + %, Inside Diameter: 4.23mm, Temper: As drawn, Length: 100 mm to 1000 mm

AG007260 Outside Diameter: **5.0mm**, Wall Thickness: 0.25mm, Purity: 99.95 + %, Inside Diameter: 4.5mm, Temper: As drawn, Length: 100 mm to 1000 mm

AG007300 Outside Diameter: **6.0mm**, Wall Thickness: 1.0mm, Purity: 99.95 + %, Inside Diameter: 4mm, Temper: As drawn, Length: 100 mm to 1000 mm

AG007400 Outside Diameter: **8.0x5.0mm**, Wall Thickness: 1mm, Purity: 99.95 + %, Inside Diameter: 6x3mm, Condition: Rectangular section, Length: 100 mm to 500 mm

AG007350 Outside Diameter: **10.0mm**, Wall Thickness: 1.0mm, Purity: 99.95 + %, Inside Diameter: 8mm, Temper: As drawn, Length: 50 mm to 500 mm



Powder

AG006030 Max. Particle size: **2micron**, Purity: 99.97 + %

AG006023 Max. Particle size: **45micron**, Purity: 99.99%



Lump

AG006100 Max. Lump size: **3mm**, High Purity: 99.999%, Condition: Shot

AG006105 Max. Lump size: **6mm**, Purity: 99.99%, Condition: Pellets

AG006110 Max. Lump size: **10mm**, Purity: 99.99%, Condition: Shot

AG006106 Max. Lump size: **20mm**, Purity: 99.99%, Condition: Pellets



Sphere

AG006840 Diameter: **0.5mm**



Single Crystal

AG002110 Oriented: **(100)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Unpolished

AG002111 Oriented: **(100)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Polished on 1 side to 1 micron

AG002118 Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 5mm

AG002119 Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 10mm

AG002120 Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 25mm

AG002121 Oriented: **(100)**, Diameter: 12mm, Purity: 99.999%, Length: 50mm

AG002130 Oriented: **(111)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Unpolished

AG002131 Oriented: **(111)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Polished on 1 side to 1 micron

AG002140 Oriented: **(220)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Unpolished

AG002141 Oriented: **(220)**, Diameter: 10mm, Purity: 99.999%, Length: 2mm, Condition: Polished on 1 side to 1 micron

Sodium (Na)



Lump

NA006100 Max. Lump size: **200mm**, Condition: Sticks, Packing Note: Packed in Oil

Tantalum (Ta)



Microfoil

TA004500 Thinness: **0.1μm**, Specific density: 166 μg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm



Foil

TA000070 Thickness: **0.0005mm**, Purity: 99.9%, Size: 25x25 mm

TA000080 Thickness: **0.001mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

TA000090 Thickness: **0.0015mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

TA000100 Thickness: **0.002mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

TA000110 Thickness: **0.0025mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

TA000120 Thickness: **0.003mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

TA000130 Thickness: **0.004mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

TA000140 Thickness: **0.005mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

TA000260 Thickness: **0.006mm**, Purity: 99.9%, Coil width 82 mm, Size: 25x25 mm to 82x100 mm

TA000280 Thickness: **0.0075mm**, Purity: 99.9%, Coil width 108 mm, Size: 25x25 mm to 100x100 mm

TA000285 Thickness: **0.009mm**, Purity: 99.9%, Coil width 108 mm, Size: 25x25 mm to 100x100 mm

TA000290 Thickness: **0.01mm**, Purity: 99.9%, Coil width 120 mm, Size: 25x25 mm to 100x100 mm

TA000300 Thickness: **0.0125mm**, Purity: 99.9%, Coil width 114 mm, Size: 25x25 mm to 200x200 mm

TA000320 Thickness: **0.015mm**, Purity: 99.9%, Coil width 120 mm, Size: 25x25 mm to 100x100 mm

TA000190 Thickness: **0.02mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

TA000352 Thickness: **0.025mm**, Purity: 99.9%, Temper: Annealed, Ribbon width 0.75 mm Length : 0.5 m to 10 m

TA000349 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Coil width 120 mm, Size: 25x25 mm to 120x120 mm

TA000353 Thickness: **0.03mm**, Purity: 99.9%, Temper: Annealed, Ribbon width 0.75 mm Length : 0.5 m to 10 m

Metals

TA000354	Thickness: 0.03mm , Purity: 99.9%, Temper: Annealed, Coil width 1.2 mm Length : 0.1 m to 2 m
TA000348	Thickness: 0.03mm , Purity: 99.9%, Temper: As rolled, Tolerance: 20%, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
TA000347	Thickness: 0.034mm , Purity: 99.9%, Temper: As rolled, Tolerance: 20%, Coil width 190 mm, Size: 25x25 mm to 150x150 mm
TA000356	Thickness: 0.04mm , Purity: 99.9%, Temper: As rolled, Ribbon width 0.65 mm Length : 0.5 m to 10 m
TA000355	Thickness: 0.04mm , Purity: 99.9%, Temper: Annealed, Ribbon width 0.7 mm Length : 0.5 m to 10 m
TA000357	Thickness: 0.04mm , Purity: 99.9%, Temper: Annealed, Coil width 1 mm Length : 0.2 m to 10 m
TA000360	Thickness: 0.05mm , Purity: 99.9%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
TA000384	Thickness: 0.075mm , Purity: 99.9%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
TA000411	Thickness: 0.1mm , Purity: 99.9%, Temper: As rolled, Ribbon width 0.62 mm Length : 0.1 m to 2 m
TA000410	Thickness: 0.100mm , Purity: 99.9%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 150x150 mm
TA000424	Thickness: 0.125mm , Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 150x150 mm
TA000450	Thickness: 0.15mm , Purity: 99.9%, Temper: Annealed, Tolerance: 20%, Size: 25x25 mm to 150x150 mm
TA000460	Thickness: 0.20mm , Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
TA000461	Thickness: 0.20mm , Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 300x400 mm
TA000470	Thickness: 0.25mm , Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
TA000471	Thickness: 0.25mm , Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 300x1000 mm
TA000472	Thickness: 0.25mm , Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
TA000480	Thickness: 0.5mm , Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
TA000483	Thickness: 0.5mm , Purity: 99.9%, Temper: Annealed, Condition: Polished on both sides, Size: 50x50 mm to 100x100 mm
TA000481	Thickness: 0.5mm , Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 500x1000 mm
TA000482	Thickness: 0.5mm , Purity: 99.99%, Temper: Annealed, Size: 25x25 mm
TA000485	Thickness: 0.75mm , Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
TA000486	Thickness: 0.75mm , Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 500x1000 mm
TA000490	Thickness: 1.0mm , Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
TA000491	Thickness: 1.0mm , Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 500x1000 mm
TA000520	Thickness: 1.5mm , Purity: 99.9%, Temper: Annealed, Size: 50x50 mm to 100x100 mm
TA000521	Thickness: 1.5mm , Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 500x1000 mm

TA000550	Thickness: 2.0mm , Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
TA000551	Thickness: 2.0mm , Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 500x1000 mm
TA000555	Thickness: 2.0mm , High Purity: 99.999%, Size: 25x25 mm to 50x50 mm
TA000580	Thickness: 3.0mm , Purity: 99.9%, Temper: Annealed, Size: 50x50 mm to 300x300 mm
TA000585	Thickness: 4.0mm , Purity: 99.9%, Temper: Annealed, Size: 50x50 mm to 100x100 mm
TA000586	Thickness: 5.0mm , Purity: 99.9%, Temper: Annealed, Size: 50x50 mm to 100x100 mm
TA000590	Thickness: 6.0mm , Purity: 99.9%, Size: 50x50 mm to 150x150 mm



Sputtering Target

TA009300	Thickness: 3.0mm , Purity: 99.9%, Size: 25.4 mm to 75 mm
TA009600	Thickness: 6.0mm , Purity: 99.9%, Size: 25.4 mm to 76.2 mm



Mesh

TA008710	Nominal Aperture: 0.43mm , Wire diameter: 0.075mm, Wires/inch: 50x50, Open area: 72%, Type: Plain weave mesh, Size: 40x40 mm to 150x150 mm
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Wire

TA005100	Diameter: 0.025mm , Purity: 99.9%, Temper: As drawn
TA005110	Diameter: 0.05mm , Purity: 99.9%, Temper: Annealed
TA005120	Diameter: 0.125mm , Purity: 99.9%, Temper: Annealed
TA005130	Diameter: 0.25mm , Purity: 99.9%, Temper: Annealed
TA005135	Diameter: 0.30mm , Purity: 99.9%, Temper: Annealed
TA005140	Diameter: 0.40mm , Purity: 99.9%, Temper: Annealed
TA005150	Diameter: 0.5mm , Purity: 99.9%, Temper: Annealed
TA005350	Diameter: 0.5mm , Purity: 99.9%, Temper: Annealed, Condition: Straight wire
TA005155	Diameter: 0.8mm , Purity: 99.9%, Temper: Annealed
TA005160	Diameter: 1.0mm , Purity: 99.9%, Temper: Annealed



Rod

TA007910	Diameter: 1.0mm , Purity: 99.9%, Length: 100 mm to 1000 mm
TA007915	Diameter: 1.5mm , Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm
TA007917	Diameter: 1.7mm , Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm
TA007920	Diameter: 2.0mm , Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm
TA007926	Diameter: 3.0mm , Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm
TA007930	Diameter: 5.0mm , Purity: 99.9%, Temper: Annealed, Length: 100 mm to 500 mm
TA007935	Diameter: 6.35mm , Purity: 99.9%, Temper: Annealed, Length: 50 mm to 200 mm

Metals

- TA007940** Diameter: **10.0mm**, Purity: 99.9%, Temper: Annealed, Length: 50 mm to 200 mm
- TA007942** Diameter: **12.7mm**, Purity: 99.9%, Temper: Annealed, Length: 50 mm to 200 mm
- TA007945** Diameter: **16mm**, Purity: 99.9%, Temper: As drawn, Length: 25 mm to 100 mm
- TA007948** Diameter: **18mm**, Purity: 99.9%, Temper: Annealed, Length: 25 mm to 100 mm
- TA007950** Diameter: **20.0mm**, Purity: 99.9%, Temper: Annealed, Length: 25 mm to 50 mm
- TA007955** Diameter: **25mm**, Purity: 99.9%, Length: 100 mm
- TA007961** Diameter: **30mm**, Purity: 99.9%, Length: 100 mm
- TA007960** Diameter: **30.0mm**, Purity: 99.9%, Condition: Forged, Temper: Unannealed, Length: 25 mm to 50 mm
- TA007970** Diameter: **40.0mm**, Purity: 99.9%, Condition: Forged, Temper: Unannealed, Length: 52 mm
- TA007972** Diameter: **50mm**, Purity: 99.9%, Length: 100 mm
- TA007975** Diameter: **75mm**, Purity: 99.9%, Length: 100 mm
- TA007995** Diameter: **100mm**, Purity: 99.9%, Length: 100 mm



Tube

- TA007030** Outside Diameter: **0.31mm**, Wall Thickness: 0.06mm, Purity: 99.9%, Inside Diameter: 0.19mm, Temper: As drawn, Length: 100 mm to 1000 mm
- TA007050** Outside Diameter: **0.51mm**, Wall Thickness: 0.15mm, Purity: 99.9%, Inside Diameter: 0.21mm, Temper: As drawn, Length: 100 mm to 1000 mm
- TA007055** Outside Diameter: **0.80mm**, Wall Thickness: 0.15mm, Purity: 99.9%, Inside Diameter: 0.50mm, Temper: As drawn, Length: 100 mm to 1000 mm
- TA007060** Outside Diameter: **1.02mm**, Wall Thickness: 0.08mm, Purity: 99.9%, Inside Diameter: 0.86mm, Temper: As drawn, Length: 100 mm to 500 mm
- TA007070** Outside Diameter: **1.05mm**, Wall Thickness: 0.2mm, Purity: 99.9%, Inside Diameter: 0.65mm, Temper: As drawn, Length: 100 mm to 1000 mm
- TA007100** Outside Diameter: **2.0mm**, Wall Thickness: 0.5mm, Purity: 99.9%, Inside Diameter: 1mm, Temper: As drawn, Length: 100 mm to 1000 mm
- TA007090** Outside Diameter: **2.0mm**, Wall Thickness: 0.3mm, Purity: 99.9%, Inside Diameter: 1.4mm, Temper: As drawn, Length: 100 mm to 1000 mm
- TA007095** Outside Diameter: **2.1mm**, Wall Thickness: 0.25mm, Purity: 99.9%, Inside Diameter: 1.6mm, Temper: As drawn, Length: 100 mm to 1000 mm
- TA007200** Outside Diameter: **3.0mm**, Wall Thickness: 0.5mm, Purity: 99.9%, Inside Diameter: 2mm, Temper: As drawn, Length: 100 mm to 1000 mm
- TA007220** Outside Diameter: **3.1mm**, Wall Thickness: 0.25mm, Purity: 99.9%, Inside Diameter: 2.6mm, Temper: As drawn, Length: 100 mm to 1000 mm
- TA007250** Outside Diameter: **3.5mm**, Wall Thickness: 0.2mm, Purity: 99.9%, Inside Diameter: 3.1mm, Temper: As drawn, Length: 100 mm to 1000 mm

- TA007300** Outside Diameter: **5.0mm**, Wall Thickness: 0.3mm, Purity: 99.9%, Inside Diameter: 4.4mm, Temper: As drawn, Length: 100 mm to 500 mm
- TA007320** Outside Diameter: **6.35mm**, Wall Thickness: 1mm, Purity: 99.9%, Inside Diameter: 4.35mm, Temper: As drawn, Length: 50 mm to 200 mm
- TA007350** Outside Diameter: **7.0mm**, Wall Thickness: 0.15mm, Purity: 99.9%, Inside Diameter: 6.7mm, Temper: As drawn, Length: 100 mm to 1000 mm
- TA007450** Outside Diameter: **8.0mm**, Wall Thickness: 2mm, Purity: 99.9%, Inside Diameter: 4.0mm, Temper: Annealed, Length: 50 mm to 100 mm
- TA007501** Outside Diameter: **8.7mm**, Wall Thickness: 0.18mm, Purity: 99.9%, Inside Diameter: 8.34mm, Temper: As drawn, Length: 100 mm to 1000 mm
- TA007530** Outside Diameter: **9.5mm**, Wall Thickness: 0.5mm, Purity: 99.9%, Inside Diameter: 8.5mm, Temper: As drawn, Length: 50 mm to 200 mm
- TA007550** Outside Diameter: **10.0mm**, Wall Thickness: 0.8mm, Purity: 99.9%, Inside Diameter: 8.4mm, Temper: As drawn, Length: 50 mm to 200 mm
- TA007600** Outside Diameter: **12.7mm**, Wall Thickness: 0.5mm, Purity: 99.9%, Inside Diameter: 11.7mm, Temper: Annealed, Length: 50 mm to 200 mm
- TA007800** Outside Diameter: **20mm**, Wall Thickness: 0.5mm, Purity: 99.9%, Inside Diameter: 19mm, Length: 120 mm



Powder

- TA006016** Mean Particle size: **2micron (FSS)**, Purity: 99.9%
- TA006030** Max. Particle size: **75micron**, Purity: 99.9%
- TA006015** Max. Particle size: **150micron**, Min. Particle size: 45micron, Purity: 99.9%
- TA006010** Max. Particle size: **350micron**, Min. Particle size: 45micron, Purity: 99.9%



Lump

- TA006100** Max. Lump size: **10mm**, Purity: 99.9%, Condition: Pellets



Sphere

- TA006810** Diameter: **1.0mm**, Purity: 99.9%



Single Crystal

- TA002105** Oriented: **(100)**, Diameter: 10mm, Purity: 99.99%, Length: 2mm, Condition: Unpolished
- TA002106** Oriented: **(100)**, Diameter: 10mm, Purity: 99.99%, Length: 2mm, Condition: Polished on 1 side to 1 micron
- TA002119** Oriented: **(100)**, Diameter: 12mm, Purity: 99.99%, Length: 10mm
- TA002120** Oriented: **(100)**, Diameter: 12mm, Purity: 99.99%, Length: 25mm
- TA002121** Oriented: **(100)**, Diameter: 12mm, Purity: 99.99%, Length: 50mm
- TA002107** Oriented: **(100)**, Diameter: 18mm, Purity: 99.99%, Length: 2mm, Condition: Unpolished
- TA002059** Oriented: **(110)**, Diameter: 6mm, Purity: 99.99%, Length: 10mm
- TA002060** Oriented: **(110)**, Diameter: 6mm, Purity: 99.99%, Length: 25mm
- TA002061** Oriented: **(110)**, Diameter: 6mm, Purity: 99.99%, Length: 50mm

Metals

- TA002112** Oriented: **(110)**, Diameter: 10mm, Purity: 99.99%, Length: 2mm
- TA002113** Oriented: **(110)**, Diameter: 10mm, Purity: 99.99%, Length: 2mm, Condition: Polished on 1 side to 1 micron
- TA002109** Oriented: **(110)**, Diameter: 12mm, Purity: 99.99%, Length: 10mm
- TA002110** Oriented: **(110)**, Diameter: 12mm, Purity: 99.99%, Length: 25mm
- TA002111** Oriented: **(110)**, Diameter: 12mm, Purity: 99.99%, Length: 50mm
- TA002132** Oriented: **(111)**, Diameter: 10mm, Purity: 99.99%, Length: 2mm
- TA002133** Oriented: **(111)**, Diameter: 10mm, Purity: 99.99%, Length: 2mm, Condition: Polished on 1 side to 1 micron
- TA002129** Oriented: **(111)**, Diameter: 12mm, Purity: 99.99%, Length: 10mm
- TA002130** Oriented: **(111)**, Diameter: 12mm, Purity: 99.99%, Length: 25mm
- TA002131** Oriented: **(111)**, Diameter: 12mm, Purity: 99.99%, Length: 50mm

Tellurium (Te)



Sputtering Target

TE009300 Thickness: **3mm**, Size: 50 mm



Powder

TE006010 Max. Particle size: **75micron**, Purity: 99.5%



Lump

TE006105 Max. Lump size: **25mm**, Purity: 99.95%, Condition: Broken ingot

TE006100 Max. Lump size: **25mm**, High Purity: 99.999%, Condition: Broken ingot

Terbium (Tb)



Foil

TB000200 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

TB000210 Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

TB009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm



Wire

TB005110 Diameter: **1.0mm**, Purity: 99.9%, Temper: Hard



Rod

TB007910 Diameter: **6.35mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm



Powder

TB006010 Max. Particle size: **500micron**, Purity: 99.9%



Lump

TB006100 Max. Lump size: **25mm**, Purity: 99.9%

Thallium (Tl)



Rod

TL007915 Diameter: **8.0mm**, High Purity: 99.99 + %, Condition: Extruded, Length: 250 mm

Thorium (Th)



Foil

TH000200 Thickness: **0.0125mm**, Purity: 99.5%, Condition: Natural, Size: 25x25 mm to 100x100 mm

TH000210 Thickness: **0.025mm**, Purity: 99.5%, Condition: Natural, Size: 25x25 mm to 100x100 mm

TH000215 Thickness: **0.05mm**, Purity: 99.5%, Condition: Natural, Size: 25x25 mm to 100x100 mm

TH000220 Thickness: **0.125mm**, Purity: 99.5%, Condition: Natural, Size: 25x25 mm to 100x100 mm



Wire

TH005200 Diameter: **0.22mm**, Purity: 99.5%, Condition: Natural

TH005250 Diameter: **0.5mm**, Purity: 99.5%, Condition: Natural

TH005300 Diameter: **1.0mm**, Purity: 99.5%, Condition: Natural

Thulium (Tm)



Foil

TM000205 Thickness: **0.002mm**, Purity: 99.9%, Temper: As rolled, Size: 12.5x12.5 mm to 25x25 mm

TM000208 Thickness: **0.005mm**, Purity: 99.9%, Temper: As rolled, Size: 12.5x12.5 mm to 25x25 mm

TM000200 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

TM000210 Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

TM009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm



Wire

TM005120 Diameter: **0.6mm**, Purity: 99.9%



Rod

TM007910 Diameter: **6mm**, Purity: 99.9%, Condition: Cast, Length: 27 mm



Lump

TM006100 Max. Lump size: **25mm**, Purity: 99.7%

Tin (Sn)



Microfoil

SN004600 Thinness: **0.25μm**, Specific density: 182.5 μg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

SN004700 Thinness: **0.5μm**, Specific density: 365 μg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

SN004850 Thinness: **1.0μm**, Specific density: 730 μg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm



Foil

SN000050 Thickness: **0.001mm**, Purity: 99.75%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

Metals

SN000060 Thickness: 0.002mm , Purity: 99.75%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm	SN000290 Thickness: 0.075mm , Purity: 98.8%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
SN000070 Thickness: 0.0025mm , Purity: 99.75%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm	SN000300 Thickness: 0.084mm , Purity: 99.95%, Temper: As rolled, Coil width 41 mm Length : 1 m to 20 m
SN000081 Thickness: 0.003mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 50x50 mm	SN000320 Thickness: 0.096mm , Purity: 99.95%, Temper: As rolled, Coil width 41 mm Length : 1 m to 20 m
SN000090 Thickness: 0.004mm , Purity: 99.75%, Size: 25x25 mm to 50x50 mm	SN000291 Thickness: 0.1mm , Purity: 98.8%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
SN000204 Thickness: 0.004mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm	SN000295 Thickness: 0.1mm , Purity: 99.95%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
SN000100 Thickness: 0.005mm , Purity: 99.75%, Size: 25x25 mm to 50x50 mm	SN000350 Thickness: 0.109mm , Purity: 99.95%, Temper: As rolled, Coil width 41 mm Length : 1 m to 20 m
SN000200 Thickness: 0.006mm , Purity: 97.4%, Coil width 200 mm, Size: 50x50 mm to 200x300 mm	SN000331 Thickness: 0.125mm , Purity: 98.8%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
SN000110 Thickness: 0.006mm , Purity: 99.75%, Size: 25x25 mm to 50x50 mm	SN000330 Thickness: 0.125mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 300x300 mm
SN000201 Thickness: 0.007mm , Purity: 97.4%, Coil width 200 mm, Size: 100x100 mm to 200x300 mm	SN000390 Thickness: 0.15mm , Purity: 98.8%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
SN000120 Thickness: 0.007mm , Purity: 99.75%, Size: 25x25 mm to 50x50 mm	SN000360 Thickness: 0.15mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
SN000130 Thickness: 0.008mm , Purity: 99.75%, Size: 25x25 mm to 100x100 mm	SN000391 Thickness: 0.25mm , Purity: 98.8%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
SN000210 Thickness: 0.009mm , Purity: 97.4%, Coil width 200 mm, Size: 100x100 mm to 200x300 mm	SN000400 Thickness: 0.25mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm
SN000140 Thickness: 0.009mm , Purity: 99.75%, Size: 25x25 mm to 100x100 mm	SN000415 Thickness: 0.44mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
SN000212 Thickness: 0.01mm , Purity: 97.4%, Coil width 200 mm, Size: 25x25 mm to 200x300 mm	SN000410 Thickness: 0.5mm , Purity: 98.8%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
SN000150 Thickness: 0.01mm , Purity: 99.75%, Size: 25x25 mm to 100x100 mm	SN000420 Thickness: 0.5mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm
SN000220 Thickness: 0.0125mm , Purity: 97.4%, Coil width 250 mm, Size: 100x100 mm to 250x300 mm	SN000424 Thickness: 0.65mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
SN000160 Thickness: 0.0125mm , Purity: 99.75%, Size: 50x50 mm to 100x100 mm	SN000426 Thickness: 0.75mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
SN000170 Thickness: 0.015mm , Purity: 99.75%, Size: 50x50 mm to 150x150 mm	SN000430 Thickness: 1.0mm , Purity: 98.8%, Temper: As rolled, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
SN000180 Thickness: 0.02mm , Purity: 99.75%, Size: 50x50 mm to 150x150 mm	SN000440 Thickness: 1.0mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
SN000231 Thickness: 0.025mm , Purity: 98.8%, Temper: As rolled, Coil width 300 mm, Size: 300x300 mm	SN000441 Thickness: 1.0mm , High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x150 mm
SN000235 Thickness: 0.025mm , Purity: 99.95%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x300 mm	SN000450 Thickness: 1.5mm , High Purity: 99.99 + %, Temper: As rolled, Size: 300x300 mm
SN000230 Thickness: 0.025mm , High Purity: 99.99 + %, Temper: As rolled, Size: 100x100 mm	SN000500 Thickness: 2.0mm , Purity: 98.8%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
SN000232 Thickness: 0.030mm , Purity: 97.4%, Temper: As rolled, Coil width 300 mm, Size: 300x300 mm	SN000510 Thickness: 2.0mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm
SN000241 Thickness: 0.05mm , Purity: 98.8%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm	SN000520 Thickness: 3.0mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 50x50 mm
SN000240 Thickness: 0.05mm , High Purity: 99.99 + %, Temper: As rolled, Coil width 76 mm, Size: 38x38 mm to 76x76 mm	
SN000260 Thickness: 0.058mm , Purity: 99.95%, Temper: As rolled, Coil width 41 mm Length : 0.5 m to 5 m	
SN000239 Thickness: 0.06mm , High Purity: 99.99 + %, Temper: As rolled, Coil width 73 mm Length : 0.1 m to 2 m	
SN000280 Thickness: 0.072mm , Purity: 99.95%, Temper: As rolled, Coil width 41 mm Length : 1 m to 20 m	

Metals

SN000530 Thickness: **6.0mm**, High Purity: 99.99+%,
Temper: As rolled, Size: 25x25 mm to
50x50 mm



Sputtering Target

SN009300 Thickness: **3.0mm**, Purity: 99.99%, Size: 50 mm
to 75 mm

SN009600 Thickness: **6.0mm**, Purity: 99.99%, Size: 50 mm
to 75 mm



Wire

SN005110 Diameter: **0.25mm**, High Purity: 99.99+%,
Temper: As drawn

SN005120 Diameter: **0.5mm**, High Purity: 99.99+%,
Temper: As drawn

SN005130 Diameter: **1.0mm**, High Purity: 99.99+%,
Temper: As drawn

SN005140 Diameter: **1.5mm**, High Purity: 99.99+%,
Temper: As drawn



Rod

SN007910 Diameter: **2.0mm**, Purity: 99.75%, Condition:
Extruded, Length: 100 mm to 1000 mm

SN007915 Diameter: **2.0mm**, High Purity: 99.999+%,
Length: 100 mm to 1000 mm

SN007920 Diameter: **5.0mm**, Purity: 99.75%, Condition:
Extruded, Length: 100 mm to 1000 mm

SN007930 Diameter: **6.0mm**, High Purity: 99.999+%,
Length: 50 mm to 1000 mm

SN007940 Diameter: **9.5mm**, Purity: 99.75%, Condition:
Extruded, Length: 100 mm to 1000 mm

SN007950 Diameter: **25.0mm**, Purity: 99.75%, Condition:
Extruded, Length: 100 mm to 1000 mm



Powder

SN006020 Max. Particle size: **45micron**, Purity: 99.9%

SN006010 Max. Particle size: **63micron**, Purity: 99.75%

SN006030 Max. Particle size: **150micron**, High Purity:
99.999%



Lump

SN006102 Max. Lump size: **4mm**, High Purity: 99.995%,
Condition: Pellets

SN006101 Max. Lump size: **5mm**, High Purity: 99.995%,
Condition: Pellets

SN006110 Max. Lump size: **5mm**, High Purity: 99.995%,
Condition: Shot

SN006100 Max. Lump size: **10mm**, High Purity: 99.995%,
Condition: Pellets



Single Crystal

SN002110 Oriented: **(100)**, Diameter: 10mm, Purity:
99.999%, Length: 2mm

Titanium (Ti)



Microfoil

TI004500 Thinness: **0.1μm**, Specific density: 42.8 μg.cm⁻²,
Purity: 99.6+%, Support:
Permanent Mylar 3.5μm, Diameter: 10 mm to
25 mm

TI004600 Thinness: **0.25μm**, Specific density:
112.6 μg.cm⁻², Purity: 99.6+%, Support:
Permanent Mylar 3.5μm, Diameter: 10 mm to
25 mm

TI004700 Thinness: **0.5μm**, Specific density:
225.4 μg.cm⁻², Purity: 99.6+%, Support:
Permanent Mylar 3.5μm, Diameter: 10 mm to
25 mm

TI004850 Thinness: **1.0μm**, Specific density: 429 μg.cm⁻²,
Purity: 99.6+%, Support:
Permanent Mylar 3.5μm, Diameter: 10 mm to
25 mm



Foil

TI000205 Thickness: **0.001mm**, High Purity: 99.99+%,
Temper: As rolled, Size: 25x25 mm to 50x50 mm

TI000090 Thickness: **0.002mm**, Purity: 99.6+%, Size:
25x25 mm to 50x50 mm

TI000206 Thickness: **0.002mm**, High Purity: 99.99+%,
Temper: As rolled, Size: 25x25 mm to 50x50 mm

TI000100 Thickness: **0.0025mm**, Purity: 99.6+%, Size:
25x25 mm to 50x50 mm

TI000110 Thickness: **0.003mm**, Purity: 99.6+%, Size:
25x25 mm to 50x50 mm

TI000121 Thickness: **0.004mm**, Purity: 99.6+%, Size:
25x25 mm to 100x100 mm

TI000210 Thickness: **0.005mm**, Purity: 99.6+%, Size:
25x25 mm to 100x100 mm

TI000208 Thickness: **0.005mm**, High Purity: 99.99+%,
Temper: As rolled, Size: 25x25 mm to
100x100 mm

TI000140 Thickness: **0.006mm**, Purity: 99.6+%, Size:
100x100 mm

TI000150 Thickness: **0.007mm**, Purity: 99.6+%, Size:
100x100 mm to 150x150 mm

TI000211 Thickness: **0.008mm**, Purity: 99.6+%, Coil
width 104 mm Length: 0.2 m to 0.3 m

TI000160 Thickness: **0.008mm**, Purity: 99.6+%, Size:
100x100 mm to 150x150 mm

TI000170 Thickness: **0.009mm**, Purity: 99.6+%, Size:
100x100 mm to 150x150 mm

TI000213 Thickness: **0.010mm**, Purity: 99.6+%, Coil
width 150 mm, Size: 100x100 mm to
150x150 mm

TI000212 Thickness: **0.01mm**, High Purity: 99.99+%,
Temper: As rolled, Size: 50x50 mm to
100x100 mm

TI000215 Thickness: **0.012mm**, Purity: 99.6+%, Coil
width 200 mm, Size: 100x100 mm to
200x200 mm

TI000220 Thickness: **0.0125mm**, Purity: 99.6+%,
Temper: Annealed, Coil width 279 mm, Size:
100x100 mm to 279x300 mm

TI000230 Thickness: **0.015mm**, Purity: 99.6+%, Coil
width 300 mm, Size: 25x25 mm to
300x300 mm

TI000251 Thickness: **0.02mm**, Purity: 99.6+%, Coil width
200 mm, Size: 25x25 mm to 200x300 mm

TI000290 Thickness: **0.025mm**, Purity: 99.6+%, Temper:
Annealed, Coil width 300 mm, Size: 25x25 mm
to 300x300 mm

TI000295 Thickness: **0.025mm**, High Purity: 99.99+%,
Temper: As rolled, Size: 25x25 mm to
100x100 mm

TI000300 Thickness: **0.03mm**, Purity: 99.6+%, Temper:
Annealed, Coil width 200 mm, Size: 25x25 mm
to 200x300 mm

TI000310 Thickness: **0.05mm**, Purity: 99.6+%, Temper:
Annealed, Coil width 300 mm, Size: 25x25 mm
to 300x300 mm

Metals

TI000315	Thickness: 0.05mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
TI000350	Thickness: 0.075mm , Purity: 99.6 + %, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 300x300 mm
TI000351	Thickness: 0.075mm , Purity: 99.6 + %, Temper: Annealed, Condition: Flattened, Size: 150x200 mm to 200x300 mm
TI000370	Thickness: 0.1mm , Purity: 99.6 + %, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
TI000380	Thickness: 0.125mm , Purity: 99.6 + %, Temper: Annealed, Coil width 292 mm, Size: 25x25 mm to 292x300 mm
TI000385	Thickness: 0.125mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
TI000382	Thickness: 0.140mm , Purity: 99.6 + %, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
TI000400	Thickness: 0.2mm , Purity: 99.6 + %, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
TI000410	Thickness: 0.25mm , Purity: 99.6 + %, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
TI000416	Thickness: 0.3mm , Purity: 99.6 + %, Temper: Annealed, Coil width 300 mm, Size: 100x100 mm to 300x300 mm
TI000423	Thickness: 0.5mm , Purity: 99.6 + %, Condition: Ion Implanted, Size: 50x50 mm
TI000421	Thickness: 0.5mm , Purity: 99.6 + %, Surface treatment: Titanium Nitride coating 2-3 microns, Size: 25x25 mm to 45x49 mm
TI000420	Thickness: 0.5mm , Purity: 99.6 + %, Temper: Annealed, Size: 25x25 mm to 300x300 mm
TI000422	Thickness: 0.7mm , Purity: 99.6 + %, Temper: Annealed, Size: 25x25 mm to 500x500 mm
TI000431	Thickness: 1.0mm , Purity: 99.6 + %, Surface treatment: Titanium Nitride coating 2-3 microns, Size: 25x25 mm to 100x100 mm
TI000430	Thickness: 1.0mm , Purity: 99.6 + %, Temper: Annealed, Size: 25x25 mm to 500x500 mm
TI000432	Thickness: 1.0mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
TI000433	Thickness: 1.0mm , High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
TI000436	Thickness: 1.20mm , Purity: 99.6 + %, Temper: Annealed, Size: 150x150 mm to 300x300 mm
TI000437	Thickness: 1.5mm , Purity: 99.6 + %, Temper: Annealed, Size: 25x25 mm to 300x300 mm
TI000441	Thickness: 2.0mm , Purity: 99.6 + %, Surface treatment: Titanium Nitride coating 2-3 microns, Size: 25x25 mm to 100x100 mm
TI000440	Thickness: 2.0mm , Purity: 99.6 + %, Temper: Annealed, Size: 25x25 mm to 500x500 mm
TI000460	Thickness: 3.0mm , Purity: 99.6 + %, Temper: Annealed, Size: 50x50 mm to 300x300 mm
TI000500	Thickness: 3.2mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm



Sheet

TI003150	Thickness: 5.0mm , Purity: 99.6 + %, Size: 150x150 mm to 300x300 mm
TI003200	Thickness: 7.0mm , Purity: 99.6 + %, Size: 150x150 mm to 300x300 mm
TI003250	Thickness: 12.0mm , Purity: 99.6 + %, Size: 150x150 mm to 300x300 mm



Sputtering Target

TI009100	Thickness: 1.0mm , High Purity: 99.99 + %, Size: 33 mm
TI009301	Thickness: 3.0mm , Purity: 99.6 + %, Size: 50 mm to 75 mm
TI009300	Thickness: 3.0mm , High Purity: 99.99 + %, Size: 50 mm to 75 mm
TI009600	Thickness: 6.0mm , High Purity: 99.99 + %, Size: 25.4 mm to 75 mm
TI009700	Thickness: 7.0mm , Purity: 99.6 + %, Size: 50 mm to 75 mm



Mesh

TI008710	Nominal Aperture: 0.19mm , Wire diameter: 0.23mm, Wires/inch: 60x60, Open area: 20%, Weave: Twill, Size: 50x50 mm to 150x150 mm
TI008720	Nominal Aperture: 4.3mm , Wire diameter: 1.5mm, Wires/inch: 4.4x4.4, Open area: 94%, Condition: Diamond mesh, Condition: Platinised, Size: 100x100 mm



Wire

TI005100	Diameter: 0.05mm , Purity: 99.8%, Temper: Hard
TI005112	Diameter: 0.125mm , Purity: 99.6 + %, Temper: Annealed
TI005122	Diameter: 0.25mm , Purity: 99.6 + %, Temper: Annealed
TI005123	Diameter: 0.25mm , Purity: 99.6 + %, Temper: As drawn
TI005120	Diameter: 0.25mm , High Purity: 99.99 + %, Temper: As drawn
TI005125	Diameter: 0.5mm , Purity: 99.6 + %, Temper: As drawn
TI005127	Diameter: 0.5mm , Purity: 99.975 + %, Temper: Annealed
TI005128	Diameter: 0.5mm , High Purity: 99.99 + %, Temper: As drawn
TI005126	Diameter: 0.75mm , Purity: 99.6 + %, Temper: As drawn
TI005320	Diameter: 1.0mm , Purity: 99.6 + %, Condition: Straight wire, Temper: As drawn
TI005130	Diameter: 1.0mm , Purity: 99.6 + %, Temper: Annealed
TI005129	Diameter: 1.0mm , Purity: 99.6 + %, Temper: As drawn
TI005135	Diameter: 1.0mm , High Purity: 99.99 + %, Temper: As drawn



Rod

TI007905	Diameter: 1.5mm , Purity: 99.6 + %, Temper: Annealed, Length: 100 mm to 1000 mm
TI007910	Diameter: 2mm , Purity: 99.6 + %, Temper: Annealed, Length: 100 mm to 1000 mm
TI007911	Diameter: 2mm , High Purity: 99.99 + %, Temper: As drawn, Length: 100 mm to 1000 mm
TI007916	Diameter: 4mm , Purity: 99.6 + %, Temper: Annealed, Length: 100 mm to 1000 mm

Metals

- TI007920** Diameter: **5mm**, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007921** Diameter: **6mm**, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007922** Diameter: **6.35mm**, High Purity: 99.99+%, Temper: Annealed, Length: 50 mm to 200 mm
- TI007925** Diameter: **8.0mm**, High Purity: 99.99+%, Temper: As drawn, Length: 50 mm to 200 mm
- TI007931** Diameter: **9.5mm**, High Purity: 99.99+%, Temper: Annealed, Length: 25 mm to 200 mm
- TI007930** Diameter: **10mm**, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007936** Diameter: **15mm**, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 200 mm
- TI007937** Diameter: **16mm**, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007938** Diameter: **16mm**, High Purity: 99.99+%, Temper: As drawn, Length: 25 mm to 100 mm
- TI007940** Diameter: **20mm**, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007941** Diameter: **20mm**, High Purity: 99.99+%, Temper: As drawn, Length: 25 mm to 100 mm
- TI007945** Diameter: **25mm**, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007947** Diameter: **30mm**, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 500 mm
- TI007948** Diameter: **40mm**, Purity: 99.6+%, Temper: Annealed, Length: 50 mm to 500 mm
- TI007950** Diameter: **50mm**, Purity: 99.6+%, Temper: Annealed, Length: 50 mm to 200 mm
- TI007955** Diameter: **50mm**, High Purity: 99.99+%, Length: 10 mm to 25 mm



Bar

- TI008010** Side Length: **50mm**, Side Length (of longer side): 50mm, Length: 100 mm



Tube

- TI007050** Outside Diameter: **0.51mm**, Wall Thickness: 0.08mm, Purity: 99.6+%, Inside Diameter: 0.35mm, Temper: Annealed, Length: 100 mm to 500 mm
- TI007060** Outside Diameter: **0.81mm**, Wall Thickness: 0.1mm, Purity: 99.6+%, Inside Diameter: 0.61mm, Temper: As drawn, Length: 100 mm to 1000 mm
- TI007070** Outside Diameter: **1.05mm**, Wall Thickness: 0.15mm, Purity: 99.6+%, Inside Diameter: 0.75mm, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007080** Outside Diameter: **1.6mm**, Wall Thickness: 0.2mm, Purity: 99.6+%, Inside Diameter: 1.2mm, Temper: Hard, Length: 100 mm to 1000 mm
- TI007101** Outside Diameter: **2.03mm**, Wall Thickness: 0.24mm, Purity: 99.6+%, Inside Diameter: 1.55mm, Temper: Annealed, Length: 100 mm to 1220 mm
- TI007100** Outside Diameter: **2.03mm**, Wall Thickness: 0.2mm, Purity: 99.6+%, Inside Diameter: 1.63mm, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007210** Outside Diameter: **3.0mm**, Wall Thickness: 0.75mm, Purity: 99.6+%, Inside Diameter: 1.5mm, Temper: Annealed, Length: 100 mm to 1000 mm

- TI007250** Outside Diameter: **4.25mm**, Wall Thickness: 0.25mm, Purity: 99.6+%, Inside Diameter: 3.75mm, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007295** Outside Diameter: **6.1mm**, Wall Thickness: 0.5mm, Purity: 99.6+%, Inside Diameter: 5.1mm, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007350** Outside Diameter: **6.35mm**, Wall Thickness: 0.89mm, Purity: 99.6+%, Inside Diameter: 4.57mm, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007300** Outside Diameter: **6.35mm**, Wall Thickness: 0.41mm, Purity: 99.6+%, Inside Diameter: 5.53mm, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007401** Outside Diameter: **9.5mm**, Wall Thickness: 0.65mm, Purity: 99.6+%, Inside Diameter: 8.2mm, Temper: Annealed, Condition: Lightly Oxidised surface, Length: 100 mm to 1000 mm
- TI007460** Outside Diameter: **10.3mm**, Wall Thickness: 0.8mm, Purity: 99.6+%, Inside Diameter: 8.7mm, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007500** Outside Diameter: **12.7mm**, Wall Thickness: 0.9mm, Purity: 99.6+%, Inside Diameter: 10.9mm, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007550** Outside Diameter: **25.4mm**, Wall Thickness: 0.89mm, Purity: 99.6+%, Inside Diameter: 23.62mm, Temper: Annealed, Length: 100 mm to 1000 mm



Powder

- TI006021** Max. Particle size: **45micron**, Purity: 99.5+%, Condition: Spherical powder
- TI006020** Max. Particle size: **150micron**, Purity: 99.5+%



Lump

- TI006111** Max. Lump size: **5mm**, High Purity: 99.999%, Condition: Pellets
- TI006100** Max. Lump size: **10mm**, High Purity: 99.99+%, Condition: Pellets
- TI006110** Max. Lump size: **10mm**, High Purity: 99.999%, Condition: Pellets



Sphere

- TI006830** Diameter: **3mm**, Purity: 99.6+%

Tungsten (W)



Microfoil




- W 004300** Thinness: **0.05µm**, Specific density: 96 µg.cm⁻², Purity: 99.95%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm
- W 004500** Thinness: **0.1µm**, Specific density: 182 µg.cm⁻², Purity: 99.95%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm
- W 004600** Thinness: **0.25µm**, Specific density: 474 µg.cm⁻², Purity: 99.95%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

- W 000090** Thickness: **0.003mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm

Metals

W 000100	Thickness: 0.004mm , Purity: 99.95%, Size: 25x25 mm to 50x50 mm	W 000279	Thickness: 0.10mm , Purity: 99.95%, Temper: As rolled, Ribbon width 0.9 mm Length : 0.2 m to 5 m
W 000110	Thickness: 0.005mm , Purity: 99.95%, Size: 25x25 mm to 50x50 mm	W 000275	Thickness: 0.1mm , Purity: 99.95%, Temper: As rolled, Coil width 1.5 mm Length : 0.2 m to 5 m
W 000120	Thickness: 0.006mm , Purity: 99.95%, Size: 25x25 mm to 50x50 mm	W 000270	Thickness: 0.1mm , Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 200x200 mm
W 000130	Thickness: 0.007mm , Purity: 99.95%, Size: 25x25 mm to 50x50 mm	W 000310	Thickness: 0.15mm , Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 200x200 mm
W 000140	Thickness: 0.008mm , Purity: 99.95%, Size: 25x25 mm to 50x50 mm	W 000317	Thickness: 0.2mm , Purity: 99.95%, Temper: As rolled, Ribbon width 0.6 mm Length : 0.2 m to 5 m
W 000150	Thickness: 0.009mm , Purity: 99.95%, Size: 25x25 mm to 50x50 mm	W 000315	Thickness: 0.2mm , Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 200x200 mm
W 000160	Thickness: 0.01mm , Purity: 99.95%, Size: 25x25 mm to 100x100 mm	W 000316	Thickness: 0.2mm , Purity: 99.95%, Temper: As rolled, Size: 200x500 mm to 200x1000 mm
W 000170	Thickness: 0.0125mm , Purity: 99.95%, Size: 50x50 mm to 100x100 mm	W 000325	Thickness: 0.3mm , Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 200x200 mm
W 000180	Thickness: 0.015mm , Purity: 99.95%, Size: 100x100 mm	W 000326	Thickness: 0.3mm , Purity: 99.95%, Temper: As rolled, Size: 200x500 mm to 200x1000 mm
W 000215	Thickness: 0.016mm , Purity: 99.95%, Temper: As rolled, Ribbon width 0.36 mm Length : 0.2 m to 5 m	W 000330	Thickness: 0.5mm , Purity: 99.95%, Temper: As rolled, Tolerance: 20%, Size: 50x50 mm to 150x150 mm
W 000221	Thickness: 0.02mm , Purity: 99.95%, Temper: As rolled, Ribbon width 0.1 mm Length : 0.2 m to 2 m	W 000331	Thickness: 0.5mm , Purity: 99.95%, Temper: As rolled, Tolerance: 20%, Size: 300x300 mm to 500x1000 mm
W 000220	Thickness: 0.02mm , Purity: 99.95%, Temper: As rolled, Ribbon width 0.5 mm Length : 0.2 m to 5 m	W 000335	Thickness: 0.6mm , Purity: 99.95%, Temper: As rolled, Coil width 1 mm Length : 0.2 m to 2 m
W 000190	Thickness: 0.02mm , Purity: 99.95%, Size: 100x100 mm	W 000345	Thickness: 1.0mm , Purity: 99.95%, Temper: As rolled, Diameter: 10 mm to 30 mm
W 000219	Thickness: 0.025mm , Purity: 99.95%, Temper: As rolled, Ribbon width 0.7 mm Length : 0.2 m to 5 m	W 000340	Thickness: 1.0mm , Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 150x150 mm
W 000218	Thickness: 0.025mm , Purity: 99.95%, Temper: As rolled, Coil width 1 mm Length : 0.2 m to 5 m	W 000341	Thickness: 1.0mm , Purity: 99.95%, Temper: As rolled, Size: 300x300 mm to 500x1000 mm
W 000200	Thickness: 0.025mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 150x300 mm	W 000370	Thickness: 2.0mm , Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 100x100 mm
W 000225	Thickness: 0.035mm , Purity: 99.95%, Temper: As rolled, Ribbon width 0.75 mm Length : 0.2 m to 5 m	W 000371	Thickness: 2.0mm , Purity: 99.95%, Temper: As rolled, Size: 150x150 mm to 500x500 mm
W 000245	Thickness: 0.04mm , Purity: 99.95%, Temper: As rolled, Ribbon width 0.7 mm Length : 0.2 m to 5 m	W 000390	Thickness: 3.0mm , Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 300x300 mm
W 000248	Thickness: 0.05mm , Purity: 99.95%, Temper: As rolled, Ribbon width 0.51 mm Length : 0.2 m to 5 m	 Sheet	
W 000249	Thickness: 0.05mm , Purity: 99.95%, Temper: As rolled, Coil width 1.5 mm Length : 0.2 m to 2 m	W 003100	Thickness: 5mm , Purity: 99.95%, Size: 50x50 mm to 100x100 mm
W 000247	Thickness: 0.05mm , Purity: 99.95%, Temper: As rolled, Coil width 2 mm Length : 0.2 m to 1 m	W 003200	Thickness: 10mm , Purity: 99.95%, Size: 50x50 mm to 150x150 mm
W 000240	Thickness: 0.05mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 150x300 mm	W 003250	Thickness: 20mm , Purity: 99.95%, Size: 20x40 mm
W 000250	Thickness: 0.075mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 150x150 mm	 Sputtering Target	
W 000251	Thickness: 0.076mm , Purity: 99.95%, Temper: As rolled, Coil width 1.5 mm Length : 0.2 m to 5 m	W 009300	Thickness: 3.0mm , Purity: 99.95%, Size: 25 mm to 101.6 mm
W 000252	Thickness: 0.076mm , Purity: 99.95%, Temper: As rolled, Coil width 2 mm Length : 0.1 m to 1 m	W 009500	Thickness: 5mm , Purity: 99.95%, Size: 60 mm
W 000255	Thickness: 0.08mm , Purity: 99.95%, Temper: As rolled, Ribbon width 0.9 mm Length : 0.2 m to 5 m	W 009600	Thickness: 6.0mm , Purity: 99.95%, Size: 20 mm to 152.4 mm
W 000278	Thickness: 0.1mm , Purity: 99.95%, Temper: As rolled, Ribbon width 0.6 mm Length : 0.2 m to 5 m	W 009800	Thickness: 10mm , Purity: 99.95%, Size: 60 mm
		 Mesh	
		W 008710	Nominal Aperture: 0.15mm , Purity: 99.95%, Wire diameter: 0.02mm, Wires/inch: 150, Open area: 75%, Type: Plain weave mesh, Size: 50x50 mm to 100x100 mm

Metals

W 008720 Nominal Aperture: **0.2mm**, Purity: 99.95%, Wire diameter: 0.05mm, Wires/inch: 100, Open area: 64%, Type: Plain weave mesh, Size: 50x50 mm to 100x100 mm



Wire

W 005105 Diameter: **0.004mm**, Purity: 99.95%, Temper: Hard, Condition: Clean

W 005200 Diameter: **0.005mm**, Purity: 99.95%, Condition: Gold plated wire

W 005110 Diameter: **0.005mm**, Purity: 99.95%, Temper: Hard, Condition: Clean

W 005112 Diameter: **0.0075mm**, Purity: 99.95%, Temper: Hard

W 005115 Diameter: **0.01mm**, Purity: 99.95%, Temper: Hard

W 005210 Diameter: **0.01mm**, Purity: 99.95%, Condition: Gold plated wire

W 005120 Diameter: **0.013mm**, Purity: 99.95%, Temper: Hard, Condition: Clean

W 005220 Diameter: **0.015mm**, Purity: 99.95%, Condition: Gold plated wire

W 005125 Diameter: **0.018mm**, Purity: 99.95%, Temper: Hard, Condition: Clean

W 005225 Diameter: **0.02mm**, Purity: 99.95%, Condition: Gold plated wire

W 005230 Diameter: **0.025mm**, Purity: 99.95%, Condition: Gold plated wire

W 005130 Diameter: **0.025mm**, Purity: 99.95%, Condition: Clean

W 005234 Diameter: **0.030mm**, Purity: 99.95%, Condition: Gold plated wire

W 005132 Diameter: **0.04mm**, Purity: 99.95%, Condition: Clean

W 005240 Diameter: **0.05mm**, Purity: 99.95%, Condition: Gold plated wire

W 005241 Diameter: **0.05mm**, Purity: 99.95%, Condition: Platinum plated wire

W 005135 Diameter: **0.05mm**, Purity: 99.95%, Condition: Clean

W 005305 Diameter: **0.075mm**, Purity: 99.9 + %, Condition: Straight wire

W 005137 Diameter: **0.08mm**, Purity: 99.95%, Condition: Clean

W 005245 Diameter: **0.08mm**, Purity: 99.95%, Condition: Gold plated wire

W 005308 Diameter: **0.10mm**, Purity: 99.9 + %, Condition: Straight wire

W 005250 Diameter: **0.1mm**, Purity: 99.95%, Condition: Gold plated wire

W 005138 Diameter: **0.1mm**, Purity: 99.95%, Condition: Clean

W 005309 Diameter: **0.115mm**, Purity: 99.9 + %, Condition: Straight wire

W 005310 Diameter: **0.125mm**, Purity: 99.9 + %, Condition: Straight wire

W 005260 Diameter: **0.125mm**, Purity: 99.95%, Condition: Gold plated wire

W 005140 Diameter: **0.125mm**, Purity: 99.95%, Condition: Clean

W 005315 Diameter: **0.15mm**, Purity: 99.9 + %, Condition: Straight wire

W 005145 Diameter: **0.15mm**, Purity: 99.95%, Condition: Clean

W 005147 Diameter: **0.175mm**, Purity: 99.95%, Condition: Clean

W 005320 Diameter: **0.20mm**, Purity: 99.9 + %, Condition: Straight wire

W 005148 Diameter: **0.2mm**, Purity: 99.95%, Condition: Clean

W 005325 Diameter: **0.25mm**, Purity: 99.9 + %, Condition: Straight wire

W 005150 Diameter: **0.25mm**, Purity: 99.95%, Condition: Clean

W 005330 Diameter: **0.30mm**, Purity: 99.9 + %, Condition: Straight wire

W 005153 Diameter: **0.3mm**, Purity: 99.95%, Condition: Clean

W 005335 Diameter: **0.38mm**, Purity: 99.9 + %, Condition: Straight wire

W 005155 Diameter: **0.38mm**, Purity: 99.95%, Condition: Clean

W 005351 Diameter: **0.5mm**, Purity: 99.9 + %, Condition: Straight wire

W 005350 Diameter: **0.5mm**, Purity: 99.9 + %, Condition: Straight wire

W 005160 Diameter: **0.5mm**, Purity: 99.95%, Condition: Clean

W 005162 Diameter: **0.6mm**, Purity: 99.95%, Condition: Clean

W 005355 Diameter: **0.75mm**, Purity: 99.9 + %, Condition: Straight wire

W 005165 Diameter: **0.75mm**, Purity: 99.95%, Condition: Clean

W 005358 Diameter: **0.80mm**, Purity: 99.9 + %, Condition: Straight wire

W 005360 Diameter: **1.0mm**, Purity: 99.9 + %, Condition: Straight wire

W 005170 Diameter: **1.0mm**, Purity: 99.95%, Condition: Clean

W 005365 Diameter: **1.3mm**, Purity: 99.9 + %, Condition: Straight wire, Condition: Chromium plated

W 005362 Diameter: **1.5mm**, Purity: 99.9 + %, Condition: Straight wire



Insulated Wire

W 005802 Conductor diameter: **0.0125mm**, Insulation thickness: 0.0035mm, Purity: 99.9%, Insulation: Polyimide

W 005805 Conductor diameter: **0.025mm**, Insulation thickness: 0.005mm, Purity: 99.9%, Insulation: Polyimide

W 005810 Conductor diameter: **0.075mm**, Insulation thickness: 0.02mm, Purity: 99.9%, Insulation: Teflon



Rod

W 007900 Diameter: **1.6mm**, Purity: 99.95%, Condition: Centerless ground, Length: 100 mm to 1000 mm

W 007910 Diameter: **2.0mm**, Purity: 99.95%, Condition: Centerless ground, Length: 100 mm to 1000 mm

W 007913 Diameter: **3.0mm**, Purity: 99.95%, Condition: Centerless ground, Length: 100 mm to 1000 mm

W 007915 Diameter: **4.0mm**, Purity: 99.95%, Condition: Centerless ground, Length: 100 mm to 1000 mm

W 007920 Diameter: **5.0mm**, Purity: 99.95%, Condition: Centerless ground, Length: 100 mm to 1000 mm

W 007925 Diameter: **6.35mm**, Purity: 99.95%, Condition: Centerless ground, Length: 100 mm to 1000 mm

Metals

- W 007928** Diameter: **8.0mm**, Purity: 99.95%, Condition: Centerless ground, Length: 50 mm to 500 mm
- W 007929** Diameter: **9.5mm**, Purity: 99.95%, Condition: Centerless ground, Length: 8.25 mm
- W 007930** Diameter: **10.0mm**, Purity: 99.95%, Condition: Centerless ground, Length: 50 mm to 500 mm
- W 007932** Diameter: **12.0mm**, Purity: 99.95%, Condition: Centerless ground, Length: 50 mm to 200 mm
- W 007935** Diameter: **16mm**, Purity: 99.95%, Condition: Centerless ground, Length: 50 mm to 200 mm
- W 007940** Diameter: **20.0mm**, Purity: 99.95%, Condition: Centerless ground, Length: 25 mm to 100 mm
- W 007941** Diameter: **20.0mm**, Purity: 99.95%, Condition: Centerless ground, Length: 18 mm
- W 007950** Diameter: **25.0mm**, Purity: 99.95%, Condition: Centerless ground, Length: 25 mm to 350 mm
- W 007960** Diameter: **40mm**, Purity: 99.95%, Condition: Forged, Length: 50 mm to 100 mm
- W 007965** Diameter: **50mm**, Purity: 99.95%, Condition: Centerless ground, Length: 25 mm to 200 mm
- W 007970** Diameter: **70mm**, Purity: 99.95%, Condition: Centerless ground, Length: 39 mm
- W 007980** Diameter: **75mm**, Purity: 99.95%, Condition: Centerless ground, Length: 100 mm
- W 007990** Diameter: **100mm**, Purity: 99.95%, Condition: Centerless ground, Length: 100 mm



Tube

- W 007200** Outside Diameter: **1.6mm**, Wall Thickness: 0.5mm, Purity: 99.95%, Inside Diameter: 0.6mm, Length: 50 mm



Powder

- W 006015** Mean Particle size: **<1micron (FSS)**, Purity: 99.95%
- W 006021** Max. Particle size: **25micron**, Purity: 99.9%
- W 006030** Max. Particle size: **100micron**, Purity: 99.9%
- W 006011** Max. Particle size: **250micron**, Min. Particle size: 50micron, Purity: 99.9%



Lump

- W 006100** Max. Lump size: **5mm**



Single Crystal

- W 002079** Oriented: **(100)**, Diameter: 9mm, Purity: 99.99%, Length: 10mm
- W 002080** Oriented: **(100)**, Diameter: 9mm, Purity: 99.99%, Length: 25mm
- W 002081** Oriented: **(100)**, Diameter: 9mm, Purity: 99.99%, Length: 50mm
- W 002110** Oriented: **(100)**, Diameter: 9mm, Purity: 99.99%, Length: 2mm, Condition: Unpolished
- W 002111** Oriented: **(100)**, Diameter: 9mm, Purity: 99.99%, Length: 2 mm, Condition: Polished on 1 side to 1 micron
- W 002092** Oriented: **(110)**, Diameter: 5mm, Purity: 99.99%, Length: 2mm, Condition: Unpolished
- W 002093** Oriented: **(110)**, Diameter: 5mm, Purity: 99.99%, Length: 2 mm, Condition: Polished on 1 side to 1 micron
- W 002057** Oriented: **(110)**, Diameter: 6mm, Purity: 99.99%, Length: 5mm
- W 002058** Oriented: **(110)**, Diameter: 6mm, Purity: 99.99%, Length: 10mm

- W 002059** Oriented: **(110)**, Diameter: 6mm, Purity: 99.99%, Length: 50mm
- W 002060** Oriented: **(110)**, Diameter: 6mm, Purity: 99.99%, Length: 25mm
- W 002089** Oriented: **(110)**, Diameter: 9mm, Purity: 99.99%, Length: 10mm
- W 002090** Oriented: **(110)**, Diameter: 9mm, Purity: 99.99%, Length: 25mm
- W 002091** Oriented: **(110)**, Diameter: 9mm, Purity: 99.99%, Length: 50mm
- W 002130** Oriented: **(111)**, Diameter: 0.125mm, Purity: 99.99%, Length: 25mm
- W 002061** Oriented: **(111)**, Diameter: 6mm, Purity: 99.99%, Length: 25mm

Uranium (U)



Foil

- U 000200** Thickness: **0.025mm**, Purity: 99.9%, Condition: Natural, Size: 25x25 mm to 50x50 mm
- U 000210** Thickness: **0.178mm**, Purity: 99.98%, Condition: Natural, Size: 10x10 mm to 40x50 mm
- U 000220** Thickness: **0.5mm**, Purity: 99.9%, Condition: Natural, Size: 10x10 mm to 50x50 mm
- U 000230** Thickness: **1.0mm**, Purity: 99.9%, Condition: Natural, Size: 25x25 mm to 50x50 mm



Wire

- U 005110** Diameter: **0.5mm**, Purity: 99.9%, Condition: Natural

Vanadium (V)



Microfoil

- V 004500** Thinness: **0.1μm**, Specific density: 60.8 μg.cm⁻², Purity: 99.8 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm
- V 004600** Thinness: **0.25μm**, Specific density: 140.4 μg.cm⁻², Purity: 99.8 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm
- V 004850** Thinness: **1.0μm**, Specific density: 611 μg.cm⁻², Purity: 99.8 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm



Foil

- V 000080** Thickness: **0.001mm**, Purity: 99.8 + %, Size: 25x25 mm to 50x50 mm
- V 000090** Thickness: **0.002mm**, Purity: 99.8 + %, Size: 25x25 mm to 50x50 mm
- V 000100** Thickness: **0.003mm**, Purity: 99.8 + %, Size: 25x25 mm to 50x50 mm
- V 000110** Thickness: **0.004mm**, Purity: 99.8 + %, Size: 25x25 mm to 50x50 mm
- V 000120** Thickness: **0.005mm**, Purity: 99.8 + %, Size: 25x25 mm to 100x100 mm
- V 000130** Thickness: **0.006mm**, Purity: 99.8 + %, Size: 25x25 mm to 100x100 mm
- V 000140** Thickness: **0.007mm**, Purity: 99.8 + %, Size: 25x25 mm to 100x100 mm
- V 000150** Thickness: **0.008mm**, Purity: 99.8 + %, Size: 25x25 mm to 100x100 mm
- V 000170** Thickness: **0.01mm**, Purity: 99.8 + %, Size: 25x25 mm to 100x100 mm

Metals

- V 000251** Thickness: **0.0125mm**, Purity: 99.8+%, Size: 25x25 mm to 100x100 mm
- V 000180** Thickness: **0.015mm**, Purity: 99.8+%, Size: 50x50 mm to 150x150 mm
- V 000190** Thickness: **0.02mm**, Purity: 99.8+%, Size: 50x50 mm to 150x150 mm
- V 000270** Thickness: **0.025mm**, Purity: 99.8+%, Temper: As rolled, Coil width 300 mm, Size: 300x300 mm
- V 000300** Thickness: **0.040mm**, Purity: 99.8+%, Temper: As rolled, Size: 280x280 mm
- V 000310** Thickness: **0.125mm**, Purity: 99.8+%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- V 000320** Thickness: **0.25mm**, Purity: 99.8+%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- V 000330** Thickness: **0.5mm**, Purity: 99.8+%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
- V 000340** Thickness: **1.0mm**, Purity: 99.8+%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
- V 000360** Thickness: **2.0mm**, Purity: 99.8+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- V 000370** Thickness: **3.15mm**, Purity: 99.8+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

**Sputtering Target**

- V 009300** Thickness: **3.0mm**, Purity: 99.8+%, Size: 50 mm to 75 mm
- V 009600** Thickness: **6.0mm**, Purity: 99.8+%, Size: 50 mm to 75 mm

**Wire**

- V 005110** Diameter: **0.25mm**, Purity: 99.8+%, Temper: Hard
- V 005120** Diameter: **0.5mm**, Purity: 99.8+%, Temper: As drawn
- V 005130** Diameter: **1.0mm**, Purity: 99.8+%, Temper: Annealed

**Rod**

- V 007901** Diameter: **1.2mm**, Purity: 99.8+%, Length: 100 mm to 1000 mm
- V 007902** Diameter: **2.0mm**, Purity: 99.8+%, Length: 100 mm to 500 mm
- V 007910** Diameter: **3.5mm**, Purity: 99.8+%, Length: 100 mm to 500 mm
- V 007930** Diameter: **5.0mm**, Purity: 99.8+%, Length: 50 mm to 500 mm
- V 007937** Diameter: **11mm**, Purity: 99.8+%, Length: 25 mm to 200 mm
- V 007960** Diameter: **20.0mm**, Purity: 99.8+%, Length: 25 mm to 100 mm

**Powder**

- V 006030** Max. Particle size: **45micron**, Purity: 99.7+%

**Lump**

- V 006105** Max. Lump size: **10mm**, Purity: 99.6%, Condition: Pellets
- V 006100** Max. Lump size: **50mm**, Purity: 99.6%, Condition: Turnings

**Single Crystal**

- V 002110** Oriented: **(100)**, Diameter: 12mm, Purity: 99.99%, Length: 2mm, Condition: Unpolished

- V 002111** Oriented: **(100)**, Diameter: 12mm, Purity: 99.99%, Length: 2mm, Condition: Polished on 1 side to 1 micron
- V 002059** Oriented: **(110)**, Diameter: 6mm, Purity: 99.99%, Length: 10mm
- V 002060** Oriented: **(110)**, Diameter: 6mm, Purity: 99.99%, Length: 25mm
- V 002061** Oriented: **(110)**, Diameter: 6mm, Purity: 99.99%, Length: 50mm
- V 002119** Oriented: **(110)**, Diameter: 12mm, Purity: 99.99%, Length: 10mm
- V 002120** Oriented: **(110)**, Diameter: 12mm, Purity: 99.99%, Length: 25mm
- V 002121** Oriented: **(110)**, Diameter: 12mm, Purity: 99.99%, Length: 50mm

Ytterbium (Yb)

**Foil**

- YB000205** Thickness: **0.005mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm
- YB000200** Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- YB000210** Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm
- YB000215** Thickness: **0.125mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- YB000230** Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Tolerance: 20%, Size: 25x25 mm to 50x50 mm

**Sputtering Target**

- YB009100** Thickness: **1.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm

**Wire**

- YB005110** Diameter: **1.0mm**, Purity: 99.9%, Condition: Square section wire

**Rod**

- YB007905** Diameter: **2.0mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm
- YB007910** Diameter: **6.35mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm
- YB007920** Diameter: **10.0mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm

**Powder**

- YB006010** Max. Particle size: **500micron**, Purity: 99.9%

**Lump**

- YB006100** Max. Lump size: **25mm**, Purity: 99.9%

Yttrium (Y)

**Foil**

- Y 000205** Thickness: **0.005mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm
- Y 000200** Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- Y 000210** Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- Y 000215** Thickness: **0.125mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

Metals

Y 000220 Thickness: **0.15mm**, Purity: 99.9%, Temper: As rolled, Tolerance: 20%, Size: 25x25 mm to 100x100 mm

Y 000250 Thickness: **0.50mm**, Purity: 99.9%, Temper: As rolled, Diameter: 25 mm



Sputtering Target

Y 009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm



Wire

Y 005105 Diameter: **0.5mm**, Purity: 99.9%

Y 005110 Diameter: **1.0mm**, Purity: 99.9%

Y 005111 Diameter: **1.0mm**, Purity: 99.9%, Condition: Square section wire



Rod

Y 007905 Diameter: **2.0mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm

Y 007910 Diameter: **6.35mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm

Y 007930 Diameter: **12.5mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm



Powder

Y 006010 Max. Particle size: **500micron**, Purity: 99.9%



Lump

Y 006100 Max. Lump size: **50mm**, Purity: 99.9%

Zinc (Zn)



Foil

ZN000060 Thickness: **0.001mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

ZN000080 Thickness: **0.0025mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

ZN000110 Thickness: **0.005mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

ZN000160 Thickness: **0.01mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

ZN000180 Thickness: **0.015mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

ZN000190 Thickness: **0.02mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

ZN000220 Thickness: **0.025mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 150 mm, Size: 150x150 mm

ZN000225 Thickness: **0.025mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 100x100 mm

ZN000230 Thickness: **0.05mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

ZN000235 Thickness: **0.05mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

ZN000240 Thickness: **0.075mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

ZN000250 Thickness: **0.1mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

ZN000270 Thickness: **0.125mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

ZN000275 Thickness: **0.125mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

ZN000280 Thickness: **0.15mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

ZN000290 Thickness: **0.175mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

ZN000295 Thickness: **0.20mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

ZN000301 Thickness: **0.25mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 150x150 mm

ZN000305 Thickness: **0.25mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

ZN000308 Thickness: **0.35mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

ZN000311 Thickness: **0.5mm**, Purity: 99.7%, Temper: As rolled, Size: 200x200 mm to 500x1000 mm

ZN000312 Thickness: **0.5mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

ZN000315 Thickness: **0.5mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

ZN000318 Thickness: **1.0mm**, Purity: 99.7%, Temper: As rolled, Size: 200x200 mm to 500x1000 mm

ZN000322 Thickness: **1.0mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

ZN000325 Thickness: **1.0mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 300x300 mm

ZN000350 Thickness: **1.5mm**, Purity: 99.95 + %, Temper: As rolled, Size: 25x25 mm to 300x300 mm

ZN000370 Thickness: **2.0mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

ZN000375 Thickness: **3mm**, Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

ZN000380 Thickness: **6mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

ZN000381 Thickness: **6mm**, High Purity: 99.99 + %, Temper: As rolled, Condition: Polished on both sides, Size: 50x50 mm to 100x100 mm



Sputtering Target

ZN009300 Thickness: **3.0mm**, Purity: 99.99 + %, Size: 25 mm to 75 mm

ZN009600 Thickness: **6.0mm**, Purity: 99.99 + %, Size: 50 mm to 75 mm



Wire

ZN005080 Diameter: **0.025mm**, Purity: 99.0%, Temper: As drawn

ZN005090 Diameter: **0.05mm**, Purity: 99.0%, Temper: As drawn

ZN005100 Diameter: **0.125mm**, Purity: 99.0%, Temper: As drawn

ZN005115 Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: As drawn

Metals

- ZN005120** Diameter: **0.5mm**, High Purity: 99.99 + %, Temper: As drawn
- ZN005131** Diameter: **1.0mm**, Purity: 99.9%, Condition: Extruded
- ZN005132** Diameter: **1.0mm**, High Purity: 99.99 + %
- ZN005133** Diameter: **1.0mm**, High Purity: 99.999%
- ZN005135** Diameter: **2.0mm**, Purity: 99.9%, Condition: Extruded
- ZN005140** Diameter: **2.0mm**, High Purity: 99.99 + %
- ZN005145** Diameter: **3.0mm**, Purity: 99.9%, Condition: Extruded
- ZN005150** Diameter: **6.35mm**, High Purity: 99.99 + %



Rod

- ZN007902** Diameter: **2.0mm**, High Purity: 99.99 + %, Length: 100 mm to 1000 mm
- ZN007905** Diameter: **5.0mm**, High Purity: 99.99 + %, Length: 100 mm to 1000 mm
- ZN007911** Diameter: **7.0mm**, High Purity: 99.99 + %, Length: 100 mm to 1000 mm
- ZN007915** Diameter: **8mm**, High Purity: 99.999%, Length: 50 mm to 245 mm
- ZN007920** Diameter: **10.0mm**, Purity: 99.9%, Length: 100 mm to 1000 mm
- ZN007930** Diameter: **10.0mm**, High Purity: 99.99 + %, Length: 100 mm to 1000 mm
- ZN007936** Diameter: **12.0mm**, Purity: 99.9%, Length: 100 mm to 1000 mm
- ZN007940** Diameter: **19mm**, Purity: 99.9%, Length: 100 mm to 900 mm
- ZN007950** Diameter: **19.0mm**, High Purity: 99.99 + %, Length: 100 mm to 500 mm



Powder

- ZN006021** Max. Particle size: **5micron**, Min. Particle size: 1micron, Purity: 99.0%
- ZN006010** Mean Particle size: **7.5micron**, Purity: 98.8%
- ZN006040** Max. Particle size: **150micron**, Purity: 99.9%
- ZN006030** Max. Particle size: **150micron**, High Purity: 99.999%



Lump

- ZN006100** Max. Lump size: **2mm**, Purity: 99.98%, Condition: Shot
- ZN006110** Max. Lump size: **6mm**, High Purity: 99.9998%, Condition: Shot
- ZN006120** Max. Lump size: **10mm**, Purity: 99.99%
- ZN006125** Max. Lump size: **10mm**, Purity: 99.99%, Condition: Pellets



Single Crystal

- ZN002110** Oriented: **(0001)**, Diameter: 12mm, Purity: 99.999%, Length: 2mm, Condition: Unpolished
- ZN002111** Oriented: **(0001)**, Diameter: 12mm, Purity: 99.999%, Length: 2mm, Condition: Polished on 1 side to 1 micron
- ZN002118** Oriented: **(0001)**, Diameter: 12mm, Purity: 99.999%, Length: 10mm
- ZN002119** Oriented: **(0001)**, Diameter: 12mm, Purity: 99.999%, Length: 25mm
- ZN002120** Oriented: **(0001)**, Diameter: 12mm, Purity: 99.999%, Length: 50mm

Zirconium (Zr)



Microfoil

- ZR004500** Thickness: **0.1μm**, Specific density: 64.9 μg.cm⁻², Purity: 99.8 + %, Permanent support: 6 micron Aluminum, Diameter: 10 mm to 25 mm
- ZR004850** Thickness: **1.0μm**, Specific density: 648 μg.cm⁻², Purity: 99.8 + %, Permanent support: 6 micron Aluminum, Diameter: 10 mm to 25 mm



Foil

- ZR000070** Thickness: **0.001mm**, Purity: 99.8 + %, Size: 25x25 mm to 50x50 mm
- ZR000080** Thickness: **0.002mm**, Purity: 99.8 + %, Size: 25x25 mm to 50x50 mm
- ZR000090** Thickness: **0.0025mm**, Purity: 99.8 + %, Size: 25x25 mm to 50x50 mm
- ZR000100** Thickness: **0.003mm**, Purity: 99.8 + %, Size: 25x25 mm to 100x100 mm
- ZR000110** Thickness: **0.004mm**, Purity: 99.8 + %, Size: 25x25 mm to 100x100 mm
- ZR000120** Thickness: **0.005mm**, Purity: 99.8 + %, Size: 25x25 mm to 100x100 mm
- ZR000130** Thickness: **0.006mm**, Purity: 99.8 + %, Size: 25x25 mm to 150x150 mm
- ZR000140** Thickness: **0.007mm**, Purity: 99.8 + %, Size: 150x150 mm
- ZR000150** Thickness: **0.008mm**, Purity: 99.8 + %, Size: 150x150 mm
- ZR000160** Thickness: **0.009mm**, Purity: 99.8 + %, Size: 150x150 mm
- ZR000170** Thickness: **0.01mm**, Purity: 99.8 + %, Size: 25x25 mm to 100x100 mm
- ZR000180** Thickness: **0.0125mm**, Purity: 99.8 + %, Size: 150x150 mm
- ZR000190** Thickness: **0.015mm**, Purity: 99.8 + %, Size: 25x25 mm to 100x100 mm
- ZR000205** Thickness: **0.016mm**, Purity: 99.8 + %, Coil width 200 mm, Size: 200x300 mm
- ZR000200** Thickness: **0.02mm**, Purity: 99.8 + %, Coil width 200 mm, Size: 200x300 mm
- ZR000211** Thickness: **0.025mm**, Purity: 99.7 + %, Temper: Annealed, Coil width 300 mm, Size: 300x300 mm
- ZR000210** Thickness: **0.025mm**, Purity: 99.8 + %, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x300 mm
- ZR000220** Thickness: **0.05mm**, Purity: 99.8 + %, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- ZR000240** Thickness: **0.075mm**, Purity: 99.8 + %, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x300 mm
- ZR000260** Thickness: **0.1mm**, Purity: 99.8 + %, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x300 mm
- ZR000270** Thickness: **0.125mm**, Purity: 99.8 + %, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- ZR000290** Thickness: **0.2mm**, Purity: 99.8 + %, Temper: Annealed, Coil width 56 mm, Size: 25x25 mm to 50x50 mm

Metals

ZR000300 Thickness: **0.25mm**, Purity: 99.8+%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

ZR000310 Thickness: **0.5mm**, Purity: 99.8+%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

ZR000320 Thickness: **1.0mm**, Purity: 99.8+%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

ZR000350 Thickness: **2.0mm**, Purity: 99.8+%, Temper: Annealed, Size: 25x25 mm to 150x150 mm

ZR000370 Thickness: **3.5mm**, Purity: 99.8+%, Temper: Annealed, Size: 150x150 mm to 300x300 mm

ZR000380 Thickness: **7.0mm**, Purity: 99.8+%, Temper: Annealed, Size: 150x150 mm to 200x500 mm



Sputtering Target

ZR009300 Thickness: **3.5mm**, Purity: 99.8+%, Size: 50 mm to 75 mm

ZR009700 Thickness: **7.0mm**, Purity: 99.8+%, Size: 50 mm to 75 mm



Wire

ZR005110 Diameter: **0.05mm**, Purity: 99.2%, Temper: As drawn

ZR005120 Diameter: **0.125mm**, Purity: 99.2%, Condition: Stress relieved

ZR005130 Diameter: **0.25mm**, Purity: 99.2%, Temper: As drawn

ZR005134 Diameter: **0.28mm**, Purity: 99.2%, Temper: Annealed

ZR005135 Diameter: **0.5mm**, Purity: 99.2%, Temper: As drawn

ZR005142 Diameter: **1.0mm**, Purity: 99.2%, Temper: Annealed



Rod

ZR007905 Diameter: **1.5mm**, Purity: 99.8+%, Length: 100 mm to 1000 mm

ZR007910 Diameter: **2.0mm**, Purity: 99.8+%, Condition: Centerless ground, Length: 100 mm to 1000 mm

ZR007915 Diameter: **3.0mm**, Purity: 99.8+%, Condition: Centerless ground, Length: 100 mm to 1000 mm

ZR007920 Diameter: **5.0mm**, Purity: 99.8+%, Condition: Centerless ground, Length: 100 mm to 1000 mm

ZR007924 Diameter: **6.0mm**, Purity: 99.8+%, Condition: Centerless ground, Length: 100 mm to 1000 mm

ZR007930 Diameter: **9.5mm**, Purity: 99.8+%, Condition: Centerless ground, Length: 100 mm to 1000 mm

ZR007935 Diameter: **12.7mm**, Purity: 99.8+%, Condition: Centerless ground, Length: 100 mm to 1000 mm

ZR007940 Diameter: **19.0mm**, Purity: 99.8+%, Condition: Centerless ground, Length: 50 mm to 1000 mm

ZR007960 Diameter: **50mm**, Purity: 99.8+%, Condition: Centerless ground, Length: 100 mm



Tube

ZR007160 Outside Diameter: **1.6mm**, Wall Thickness: 0.25mm, Purity: 99.8+%, Inside Diameter: 1.1mm, Temper: Hard, Length: 100 mm to 1000 mm

ZR007200 Outside Diameter: **2.0mm**, Wall Thickness: 0.2mm, Purity: 99.8+%, Inside Diameter: 1.6mm, Temper: Annealed, Length: 100 mm to 1000 mm

ZR007400 Outside Diameter: **6.35mm**, Wall Thickness: 0.9mm, Purity: 99.8+%, Inside Diameter: 4.55mm, Temper: Annealed, Length: 100 mm to 1000 mm

ZR007620 Outside Diameter: **12.7mm**, Wall Thickness: 1.6mm, Purity: 99.8+%, Inside Diameter: 9.5mm, Temper: Annealed, Length: 100 mm to 1000 mm

ZR007600 Outside Diameter: **12.7mm**, Wall Thickness: 0.9mm, Purity: 99.8+%, Inside Diameter: 10.9mm, Temper: Annealed, Length: 100 mm to 1000 mm



Powder

ZR006015 Max. Particle size: **45micron**, Purity: 99.2%, Condition: In aqueous suspension (min 30% water)



Lump

ZR006100 Max. Lump size: **25mm**, Purity: 99.8%, Condition: Sponge

Alloys

Silver/Gold (Ag70/Au30)



Lump

AG096100 Max. Lump size: 4mm

Silver/Palladium (Ag70/Pd30)



Foil

AG200300 Thickness: 0.15mm, Temper: As rolled, Size: 25x25 mm to 100x100 mm



Tube

AG207200 Outside Diameter: 2.2mm, Wall Thickness: 0.1mm, Inside Diameter: 2.0mm, Length: 100 mm to 500 mm

Silver/Copper (Ag72/Cu28)



Foil

AG060220 Thickness: 0.05mm, Coil width 100 mm, Size: 50x50 mm to 100x100 mm

AG060250 Thickness: 0.25mm, Coil width 100 mm, Size: 50x50 mm to 100x100 mm

AG060400 Thickness: 2.0mm, Size: 50x50 mm to 100x100 mm



Wire

AG065140 Diameter: 0.5mm, Temper: As drawn

AG065150 Diameter: 0.8mm, Temper: As drawn



Rod

AG067910 Diameter: 2.0mm, Temper: As drawn, Length: 100 mm to 1000 mm

AG067950 Diameter: 12.5mm, Temper: As drawn, Length: 50 mm to 500 mm



Powder

AG066015 Max. Particle size: 45micron

Silver/Copper (Ag92.5/Cu 7.5)



Foil

AA150360 Thickness: 0.5mm, Temper: As rolled, Size: 25x25 mm to 150x150 mm

Silver/Zirconium/Copper (Ag97/Zr 2/Cu 1)



Powder

AA146010 Max. Particle size: 45micron, Condition: Atomized

Silver/Antimony (Ag99/Sb 1)



Wire

AA065150 Diameter: 0.5mm, Temper: As drawn

Aluminum/Iron (Al50/Fe50)



Powder

AL106020 Max. Particle size: 150micron, Condition: Alloy Pre-cursor

Aluminum/Nickel (Al50/Ni50)



Powder

AL116010 Max. Particle size: 150micron, Condition: Alloy Pre-cursor

Aluminum/Silicon (Al65.7/Si34.3)



Powder

AL156010 Max. Particle size: 150micron, Condition: Alloy Pre-cursor

Aluminum/Silicon (Al75/Si25)



Powder

AL146010 Max. Particle size: 150micron, Condition: Alloy Pre-cursor

Aluminum/Titanium (Al75/Ti25 (Atomic %))



Lump

AD036100 Max. Lump size: 100mm

Aluminum/Silicon (Al88/Si12)



Foil

AL130700 Thickness: 1.0mm, Size: 50x50 mm to 150x150 mm

AL130750 Thickness: 2.0mm, Size: 50x50 mm to 150x150 mm



Rod

AL137920 Diameter: 15mm, Temper: As drawn, Length: 50 mm to 500 mm



Powder

AL136011 Max. Particle size: 150micron, Condition: Atomized

AL136010 Max. Particle size: 150micron, Condition: Alloy Pre-cursor

Aluminum/Magnesium (Al92.1/Mg 7.9)



Powder

AD106010 Max. Particle size: 63micron, Condition: Atomized

Aluminium alloy 2011 (Al93/Cu5.3/Fe0.7/Si0.4/Pb0.3/B)



Rod

AD287910 Diameter: 6.35mm, Length: 100 mm to 1000 mm

Aluminum/Nickel (Al94.3/Ni 5.7)



Rod

AD097920 Diameter: 8mm, Temper: As drawn, Length: 100 mm to 1000 mm

Alloys

Dural® - Aluminum/Copper/ Magnesium (Al95/Cu 4/Mg 1)

Avional®, Dural®, Hiduminium®



Rod

AL047920 Diameter: **22.2mm**, Condition: Solution treated, Length: 100 mm to 1000 mm



Tube

AL047105 Outside Diameter: **0.53mm**, Wall Thickness: 0.051mm, Inside Diameter: 0.428mm, Temper: As drawn, Length: 100 mm to 1000 mm

AL047110 Outside Diameter: **0.81mm**, Wall Thickness: 0.051mm, Inside Diameter: 0.708mm, Temper: As drawn, Length: 100 mm to 1000 mm

Aluminum/Lithium/Copper (Al95/Li 2.5/Cu 1.5/Mg 1)



Tube

AL197250 Outside Diameter: **24mm**, Wall Thickness: 1mm, Inside Diameter: 22mm, Length: 100 mm to 1000 mm

Aluminum/Magnesium (Al95/Mg 5)



Foil

AL020200 Thickness: **0.03mm**, Temper: As rolled, Coil width 40 mm, Size: 25x25 mm to 40x150 mm



Wire

AL025130 Diameter: **0.4mm**, Temper: Annealed



Tube

AL027080 Outside Diameter: **0.61mm**, Wall Thickness: 0.07mm, Inside Diameter: 0.47mm, Temper: As drawn, Length: 100 mm to 1000 mm

AL027090 Outside Diameter: **0.74mm**, Wall Thickness: 0.063mm, Inside Diameter: 0.614mm, Temper: As drawn, Length: 100 mm to 1000 mm

AL027100 Outside Diameter: **0.75mm**, Wall Thickness: 0.125mm, Inside Diameter: 0.5mm, Temper: Hard, Length: 100 mm to 1000 mm

AL027110 Outside Diameter: **1.73mm**, Wall Thickness: 0.075mm, Inside Diameter: 1.58mm, Temper: As drawn, Length: 100 mm to 1000 mm

Aluminium/Silicon (Al96/Si 4)



Powder

AB036010 Max. Particle size: 150micron

Aluminum/Magnesium/Manganese/ Chromium (Al96.45/Mg 2.6/Mn 0.8/Cr 0.15)



Tube

AD057150 Outside Diameter: **2.1mm**, Wall Thickness: 0.25mm, Inside Diameter: 1.6mm, Temper: As drawn, Length: 100 mm to 435 mm

Aluminum/Magnesium (Al97/Mg 3)



Foil

AL010210 Thickness: **0.01mm**, Coil width 220 mm, Size: 100x100 mm to 220x300 mm

AL010220 Thickness: **0.0125mm**, Temper: As rolled, Coil width 220 mm, Size: 220x300 mm

AL010225 Thickness: **0.015mm**, Temper: As rolled, Coil width 220 mm, Size: 220x300 mm

AL010230 Thickness: **0.03mm**, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

AL010235 Thickness: **0.06mm**, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

AL010240 Thickness: **0.1mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

AL010250 Thickness: **0.2mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

AL010260 Thickness: **0.25mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm



Tube

AL017100 Outside Diameter: **0.53mm**, Wall Thickness: 0.075mm, Inside Diameter: 0.38mm, Temper: As drawn, Length: 100 mm to 1000 mm

AL017140 Outside Diameter: **0.74mm**, Wall Thickness: 0.065mm, Inside Diameter: 0.61mm, Temper: As drawn, Length: 100 mm to 1000 mm

AL017150 Outside Diameter: **0.75mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.55mm, Temper: As drawn, Length: 100 mm to 1000 mm

AL017200 Outside Diameter: **1.0mm**, Wall Thickness: 0.075mm, Inside Diameter: 0.85mm, Temper: As drawn, Length: 100 mm to 1000 mm

AL017250 Outside Diameter: **1.5mm**, Wall Thickness: 0.125mm, Inside Diameter: 1.25mm, Temper: As drawn, Length: 100 mm to 1000 mm

AL017210 Outside Diameter: **1.5mm**, Wall Thickness: 0.050mm, Inside Diameter: 1.4mm, Temper: As drawn, Length: 100 mm to 1000 mm

Aluminum 6082 TF Alloy (Al97.4/Si 1/Mg 0.9/Mn 0.7)



Tube

AL227100 Outside Diameter: **6.35mm**, Wall Thickness: 1.63mm, Inside Diameter: 3.09mm, Condition: Solution treated, Length: 100 mm to 1000 mm

Aluminum/Magnesium (Al97.5/Mg 2.5)



Wire

AL215140 Diameter: **0.4mm**, Purity: 97.5%, Temper: As drawn

AL215150 Diameter: **0.5mm**, Purity: 97.5%, Temper: Annealed

Aluminum/Silicon/Magnesium/ Manganese (Al97.5/Si 1.0/Mg 0.8/Mn 0.7)



Rod

AJ047940 Diameter: **9.5mm**, Condition: Extruded, Length: 100 mm to 1000 mm

Aluminum/Magnesium/Silicon (Al98/Mg 1/Si 0.6)



Wire

AL035120 Diameter: **0.025mm**, Temper: As drawn

Alloys

- AL035130** Diameter: **0.05mm**, Temper: As drawn
AL035140 Diameter: **0.125mm**, Temper: As drawn
AL035150 Diameter: **0.25mm**, Temper: As drawn
AL035160 Diameter: **0.5mm**, Temper: As drawn
AL035170 Diameter: **1.0mm**, Temper: As drawn

**Aluminum/Magnesium/Silicon
(Al98/Mg 1/Si 1)****Tube**

- AL087100** Outside Diameter: **6.35mm**, Wall Thickness: 0.71mm, Inside Diameter: 4.93mm, Temper: Hard, Length: 100 mm to 1000 mm
AL087300 Outside Diameter: **12.7mm**, Wall Thickness: 1.22mm, Inside Diameter: 10.26mm, Temper: Hard, Length: 100 mm to 1000 mm
AL087500 Outside Diameter: **25.4mm**, Wall Thickness: 3.25mm, Inside Diameter: 18.9mm, Temper: Hard, Length: 100 mm to 1000 mm

**Aluminum/Manganese
(Al98/Mn 2 (Atomic %))****Lump**

- AJ186100** Max. Lump size: **10mm**

Aluminum/Silicon (Al98/Si 2)**Powder**

- AL166010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Aluminum/Nickel (Al98.5/Ni 1.5)**Rod**

- AL297920** Diameter: **8mm**, Length: 100 mm to 1000 mm
AL297930 Diameter: **12.7mm**, Length: 100 mm to 1000 mm
AL297940 Diameter: **14mm**, Length: 100 mm to 1000 mm

**Aluminum/Magnesium/Silicon
(Al99/Mg 0.5/Si 0.5)****Wire**

- AL185150** Diameter: **0.25mm**, Temper: As drawn

**Rod**

- AL187910** Diameter: **5.0mm**, Length: 100 mm to 1000 mm

Aluminum/Silicon (Al99/Si 1)**Foil**

- AL050600** Thickness: **2.0mm**, High Purity: 99.998%, Temper: As rolled, Size: 50x50 mm to 150x150 mm
AL050650 Thickness: **3.0mm**, High Purity: 99.998%, Temper: As rolled, Size: 50x50 mm to 150x150 mm
AL050680 Thickness: **6.0mm**, High Purity: 99.998%, Temper: As rolled, Size: 50x50 mm to 150x150 mm

**Sputtering Target**

- AL059300** Thickness: **3.0mm**, High Purity: 99.998%, Size: 50.8 mm to 76.2 mm

- AL059600** Thickness: **6.0mm**, Purity: 99.998%, Size: 50.8 mm to 101.6 mm

**Wire**

- AL055110** Diameter: **0.01mm**, Temper: Hard
AL055115 Diameter: **0.0125mm**, Temper: Hard
AL055120 Diameter: **0.025mm**, Temper: Hard
AL055130 Diameter: **0.05mm**, Temper: Hard
AL055140 Diameter: **0.125mm**, Temper: Hard
AL055150 Diameter: **0.25mm**, Temper: Hard
AL055160 Diameter: **0.5mm**, Temper: Hard
AL055170 Diameter: **1mm**, Temper: Hard

**Rod**

- AL057930** Diameter: **3mm**, High Purity: 99.998%, Length: 12 mm
AL057960 Diameter: **18mm**, Temper: As drawn, Length: 100 mm to 500 mm

**Aluminum/Manganese
(Al99.35/Mn 0.65)****Lump**

- AD086100** Max. Lump size: **6mm**, Condition: Granular

Aluminum/Cobalt (Al99.5/Co 0.5)**Wire**

- AD195160** Diameter: **1.0mm**, Temper: As drawn

**Aluminum/Manganese
(Al99.7/Mn 0.3)****Lump**

- AD066100** Max. Lump size: **6mm**, Condition: Granular

Aluminum/Cobalt (Al99.9/Co 0.1)**Wire**

- AD205140** Diameter: **0.25mm**, Temper: As drawn
AD205160 Diameter: **1.0mm**, Temper: As drawn

Gold/Palladium (Au75/Pd25)**Tube**

- AU017200** Outside Diameter: **3.0mm**, Wall Thickness: 0.15mm, Inside Diameter: 2.7mm, Temper: As drawn, Length: 50 mm to 200 mm

Gold/Tin (Au80/Sn20)**Foil**

- AU060220** Thickness: **0.025mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm
AU060250 Thickness: **0.1mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm
AU060280 Thickness: **0.2mm**, Temper: As rolled, Ribbon width 0.8 mm Length : 0.1 m to 1 m

**Wire**

- AU065110** Diameter: **0.125mm**, Temper: As drawn
AU065120 Diameter: **0.25mm**, Temper: As drawn
AU065140 Diameter: **0.5mm**, Temper: As drawn
AU065160 Diameter: **1.0mm**, Temper: As drawn

Alloys



Rod

AU067920 Diameter: 3.0mm, Length: 100 mm

Gold/Nickel (Au82/Ni18)

Nioro®



Foil

AU050220 Thickness: 0.05mm, Temper: As rolled, Size: 25x25 mm to 50x50 mm

AU050250 Thickness: 0.25mm, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Wire

AU055125 Diameter: 0.025mm, Temper: Annealed

AU055140 Diameter: 0.25mm, Temper: Annealed

AU055150 Diameter: 0.5mm, Temper: Annealed

Gold/Germanium Eutectic (Au88/Ge12)



Foil

AU040250 Thickness: 0.025mm, Coil width 1 mm Length : 0.2 m to 5 m



Lump

AU046100 Max. Lump size: 10mm

Gold/Palladium (Au93/Pd 7)



Wire

AC015140 Diameter: 0.5mm, Temper: As drawn

Gold/Tin (Au98/Sn 2)



Wire

AU085150 Diameter: 0.5mm

Gold/Antimony (Au99/Sb 1)



Wire

AU145140 Diameter: 0.50mm, Temper: Annealed

AU145150 Diameter: 1.0mm, Temper: Annealed

Gold/Iron (Au99.93/Fe 0.07 (Atomic %))



Wire

AU075125 Diameter: 0.025mm, Temper: Annealed

AU075150 Diameter: 0.050mm, Temper: Annealed



Insulated Wire

AU075840 Conductor diameter: 0.1mm, Insulation thickness: 0.01mm, Insulation: Teflon

Woods Metal (Bi50/Pb25/Cd12.5/Sn12.5)



Lump

BI026100 Max. Lump size: 100mm

Roses Metal (Bi50/Pb28/Sn22)



Lump

BI036100 Max. Lump size: 100mm

Bismuth/Lead (Bi55.5/Pb44.5)



Lump

BI076100 Max. Lump size: 100mm

Bismuth/Indium/Tin (Bi57/In26/Sn17)



Lump

BI166100 Max. Lump size: 100mm

Cobalt/Chromium/Iron/Nickel/Molybdenum/Manganese (Co40/Cr20/Fe15/Ni15/Mo 7/Mn 2/C/Be)



Wire

CO125140 Diameter: 0.25mm, Temper: Hard

CO125150 Diameter: 0.5mm, Temper: Hard

CO125160 Diameter: 1.0mm, Temper: Hard

Havar® - High-Strength Non-Magnetic Alloy (Co42.5/Cr20/Ni13/Fe/W/Mo/Mn)



Foil

CO010210 Thickness: 0.004mm, Temper: As rolled, Size: 25x25 mm to 50x50 mm

CO010215 Thickness: 0.0045mm, Temper: As rolled, Size: 25x25 mm to 50x50 mm

CO010220 Thickness: 0.005mm, Temper: As rolled, Size: 25x25 mm to 50x50 mm

CO010230 Thickness: 0.01mm, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

CO010240 Thickness: 0.0125mm, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CO010245 Thickness: 0.020mm, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

CO010250 Thickness: 0.025mm, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CO010270 Thickness: 0.05mm, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CO010300 Thickness: 0.075mm, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 150x150 mm

CO010400 Thickness: 0.2mm, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

CO010410 Thickness: 0.5mm, Temper: As rolled, Coil width 212 mm, Size: 25x25 mm to 100x100 mm

Permendur 49® (Co49/Fe49/V 2)



Sheet

CO153025 Thickness: 0.25mm, Temper: As rolled, Size: 50x50 mm to 180x500 mm

CO153035 Thickness: 0.35mm, Temper: As rolled, Size: 60x100 mm to 195x200 mm



Rod

CO157911 Diameter: 11mm, Condition: Ground, Length: 50 mm to 200 mm

CO157940 Diameter: 25.4mm, Condition: Hot rolled (black), Length: 50 mm to 100 mm

CO157950 Diameter: 39mm, Condition: Hot rolled (black), Length: 50 mm to 100 mm

Alloys

**Cobalt/Chromium/Tungsten/Nickel/
Iron/Manganese
(Co50/Cr20/W 15/Ni10/Fe 3/Mn 2)****Foil****CN010300** Thickness: **0.25mm**, Coil width 300 mm, Size: 50x50 mm to 300x300 mm**CN010400** Thickness: **0.6mm**, Size: 150x150 mm to 300x300 mm**Cobalt/Iron (Co50/Fe50 (Atomic %))****Sputtering Target****CK109300** Thickness: **3.0mm**, Size: 50.8 mm**Cobalt/Tungsten (Co50/W 50)****Powder****CO106010** Max. Particle size: **45micron**, Condition: Alloy Pre-cursor**Cobalt/Chromium (Co70/Cr30)****Powder****CO056010** Max. Particle size: **45micron**, Condition: Alloy Pre-cursor**Cobalt/Aluminum (Co79/Al21)****Powder****CO036010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor**Cobalt/Iron (Co80/Fe20)****Lump****CK226100** Max. Lump size: **5mm****Cobalt/Chromium (Co86/Cr14)****Powder****CK266010** Max. Particle size: **150micron**, Condition: Atomized**Cobalt/Aluminum (Co90/Al10)****Powder****CO026010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor**Cobalt/Titanium (Co94/Ti 6)****Powder****CO086010** Max. Particle size: **45micron**, Condition: Alloy Pre-cursor**Chromium/Nickel (Cr50/Ni50)****Powder****CR026010** Max. Particle size: **420micron****Chromium/Titanium (Cr70/Ti30)****Powder****CR156010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor**Chromium/Aluminum (Cr80/Al20)****Powder****CR016010** Max. Particle size: **50micron**, Condition: Alloy Pre-cursor**Nickel Silver (Cu45/Zn43/Ni10/Pb2)****Rod****CZ047910** Diameter: **6.35mm**, Length: 100 mm to 1000 mm**Constantan® - Resistance Alloy
(Cu55/Ni45)**

Ferry®, Hecnum®, Telconstan®, Constantan®

**Foil****CU040200** Thickness: **0.005mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm**CU040210** Thickness: **0.01mm**, Temper: As rolled, Coil width 210 mm, Size: 25x25 mm to 150x150 mm**CU040220** Thickness: **0.0125mm**, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm**CU040225** Thickness: **0.02mm**, Temper: As rolled, Coil width 300 mm, Size: 150x150 mm to 300x300 mm**CU040235** Thickness: **0.025mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm**CU040236** Thickness: **0.025mm**, Temper: As rolled, Coil width 300 mm, Size: 300x300 mm**CU040240** Thickness: **0.05mm**, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 150x150 mm**CU040241** Thickness: **0.05mm**, Temper: As rolled, Coil width 300 mm, Size: 300x300 mm**CU040250** Thickness: **0.1mm**, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm**CU040350** Thickness: **0.25mm**, Temper: As rolled, Coil width 100 mm, Size: 50x50 mm to 100x100 mm**CU040380** Thickness: **0.50mm**, Temper: As rolled, Coil width 160 mm, Size: 50x50 mm to 150x150 mm**CU040450** Thickness: **1.0mm**, Temper: Annealed, Size: 50x50 mm to 300x1000 mm**Wire****CU045110** Diameter: **0.025mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple**CU045120** Diameter: **0.05mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple**CU045130** Diameter: **0.125mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple**CU045140** Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple**CU045150** Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple**CU045160** Diameter: **1.0mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

Alloys



Insulated Wire

- CU045815** Conductor diameter: **0.025mm**, Insulation thickness: 0.003mm, Insulation: Polyurethane, Thermocouple wire: May be used as one component of a Thermocouple
- CU045820** Conductor diameter: **0.05mm**, Insulation thickness: 0.005mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple
- CU045830** Conductor diameter: **0.07mm**, Insulation thickness: 0.01mm, Insulation: Polyurethane, Thermocouple wire: May be used as one component of a Thermocouple
- CU045840** Conductor diameter: **0.1mm**, Insulation thickness: 0.01mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple
- CU045845** Conductor diameter: **0.125mm**, Insulation thickness: 0.01mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple



Rod

- CU047906** Diameter: **3.2mm**, Temper: Annealed, Length: 100 mm to 1000 mm
- CU047910** Diameter: **4.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm
- CU047920** Diameter: **8mm**, Temper: Annealed, Length: 100 mm to 1000 mm
- CU047940** Diameter: **25.4mm**, Condition: Cold finished, Length: 50 mm to 200 mm

Copper/Titanium (Cu56.4/Ti43.6)



Powder

- CU276010** Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Leaded Brass (Cu58/Zn39/Pb 3)



Rod

- CW147910** Diameter: **10.0mm**, Length: 100 mm to 1000 mm
- CW147920** Diameter: **20.0mm**, Length: 100 mm to 1000 mm

Nickel Silver (Cu62/Ni18/Zn20)

Awa[®], Nickeloid[®], Silmet[®], Spdex[®]



Foil

- CU100400** Thickness: **0.30mm**, Temper: As rolled, Size: 100x100 mm to 300x300 mm
- CU100450** Thickness: **0.60mm**, Temper: Annealed, Size: 100x100 mm to 600x600 mm



Tube

- CU107100** Outside Diameter: **0.91mm**, Wall Thickness: 0.19mm, Inside Diameter: 0.53mm, Temper: As drawn, Length: 100 mm to 1000 mm
- CU107120** Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.8mm, Temper: As drawn, Length: 100 mm to 1000 mm
- CU107140** Outside Diameter: **1.1mm**, Wall Thickness: 0.21mm, Inside Diameter: 0.68mm, Temper: As drawn, Length: 100 mm to 990 mm

- CU107160** Outside Diameter: **1.28mm**, Wall Thickness: 0.120mm, Inside Diameter: 1.04mm, Temper: As drawn, Length: 100 mm to 1000 mm
- CU107180** Outside Diameter: **1.3mm**, Wall Thickness: 0.275mm, Inside Diameter: 0.75mm, Temper: As drawn, Length: 100 mm to 1000 mm
- CU107200** Outside Diameter: **1.4mm**, Wall Thickness: 0.3mm, Inside Diameter: 0.8mm, Temper: As drawn, Length: 100 mm to 1000 mm
- CU107220** Outside Diameter: **1.5mm**, Wall Thickness: 0.17mm, Inside Diameter: 1.16mm, Temper: As drawn, Length: 100 mm to 1000 mm
- CU107240** Outside Diameter: **1.6mm**, Wall Thickness: 0.15mm, Inside Diameter: 1.3mm, Temper: As drawn, Length: 500 mm to 1000 mm
- CU107260** Outside Diameter: **1.7mm**, Wall Thickness: 0.2mm, Inside Diameter: 1.3mm, Temper: As drawn, Length: 100 mm to 1000 mm
- CU107320** Outside Diameter: **1.8mm**, Wall Thickness: 0.45mm, Inside Diameter: 0.9mm, Temper: As drawn, Length: 100 mm to 1000 mm
- CU107300** Outside Diameter: **1.8mm**, Wall Thickness: 0.28mm, Inside Diameter: 1.24mm, Temper: As drawn, Length: 100 mm to 750 mm
- CU107280** Outside Diameter: **1.8mm**, Wall Thickness: 0.175mm, Inside Diameter: 1.45mm, Temper: As drawn, Length: 100 mm to 1000 mm
- CU107340** Outside Diameter: **2.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 1mm, Temper: As drawn, Length: 100 mm to 1000 mm
- CU107360** Outside Diameter: **2.3mm**, Wall Thickness: 0.2mm, Inside Diameter: 1.9mm, Temper: As drawn, Length: 100 mm to 1000 mm
- CU107380** Outside Diameter: **3.0mm**, Wall Thickness: 0.075mm, Inside Diameter: 2.85mm, Temper: As drawn, Length: 100 mm to 1000 mm
- CU107400** Outside Diameter: **4.0mm**, Wall Thickness: 0.25mm, Inside Diameter: 3.5mm, Temper: As drawn, Length: 100 mm to 1000 mm

Brass (Cu63/Zn37)

Boltomet L[®], IMI 237[®], MS 63



Foil

- CU020200** Thickness: **0.005mm**, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm
- CU020205** Thickness: **0.008mm**, Temper: Hard, Coil width 200 mm, Size: 25x25 mm to 200x200 mm
- CU020208** Thickness: **0.01mm**, Temper: Hard, Coil width 300 mm, Size: 300x300 mm
- CU020210** Thickness: **0.0125mm**, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CU020220** Thickness: **0.025mm**, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CU020230** Thickness: **0.038mm**, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CU020240** Thickness: **0.05mm**, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CU020250** Thickness: **0.075mm**, Temper: Half hard, Coil width 165 mm, Size: 25x25 mm to 150x150 mm
- CU020260** Thickness: **0.1mm**, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CU020261** Thickness: **0.1mm**, Temper: Hard, Condition: Flattened, Size: 150x150 mm to 300x450 mm
- CU020270** Thickness: **0.125mm**, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

Alloys

CU020276 Thickness: **0.125mm**, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

CU020280 Thickness: **0.15mm**, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CU020291 Thickness: **0.15mm**, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

CU020300 Thickness: **0.25mm**, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CU020301 Thickness: **0.25mm**, Temper: Half hard, Coil width 300 mm, Size: 300x300 mm

CU020375 Thickness: **0.38mm**, Temper: Half hard, Coil width 165 mm, Size: 25x25 mm to 150x150 mm

CU020400 Thickness: **0.5mm**, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

CU020450 Thickness: **1.0mm**, Temper: Half hard, Size: 50x50 mm to 600x600 mm

CU020600 Thickness: **2.0mm**, Temper: Half hard, Size: 50x50 mm to 600x600 mm

CU020620 Thickness: **3.0mm**, Temper: Half hard, Size: 75x75 mm to 300x300 mm

CU020650 Thickness: **6.0mm**, Temper: Half hard, Size: 75x75 mm to 300x300 mm



Wire

CU025130 Diameter: **0.125mm**, Temper: Hard

CU025140 Diameter: **0.25mm**, Temper: Hard

CU025150 Diameter: **0.5mm**, Temper: Hard

CU025160 Diameter: **1.0mm**, Temper: Hard



Rod

CU027910 Diameter: **2.0mm**, Temper: As drawn, Length: 100 mm to 1000 mm

CU027920 Diameter: **5.0mm**, Temper: As drawn, Length: 100 mm to 1000 mm

CU027930 Diameter: **10.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm



Tube

CU027100 Outside Diameter: **0.61mm**, Wall Thickness: 0.18mm, Inside Diameter: 0.25mm, Temper: As drawn, Length: 100 mm to 900 mm

CU027150 Outside Diameter: **0.76mm**, Wall Thickness: 0.25mm, Inside Diameter: 0.26mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU027170 Outside Diameter: **1.18mm**, Wall Thickness: 0.23mm, Inside Diameter: 0.72mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU027171 Outside Diameter: **1.18mm**, Wall Thickness: 0.23mm, Inside Diameter: 0.72mm, Temper: As drawn, Length: 31 mm

CU027200 Outside Diameter: **1.5mm**, Wall Thickness: 0.25mm, Inside Diameter: 1mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU027250 Outside Diameter: **1.83mm**, Wall Thickness: 0.27mm, Inside Diameter: 1.29mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU027280 Outside Diameter: **2.2mm**, Wall Thickness: 0.57mm, Inside Diameter: 1.06mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU027300 Outside Diameter: **2.26mm**, Wall Thickness: 0.28mm, Inside Diameter: 1.7mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU027500 Outside Diameter: **3.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 2mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU027450 Outside Diameter: **3.0mm**, Wall Thickness: 0.3mm, Inside Diameter: 2.4mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU027600 Outside Diameter: **3.56mm**, Wall Thickness: 0.41mm, Inside Diameter: 2.74mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU027750 Outside Diameter: **7.0mm**, Wall Thickness: 1.25mm, Inside Diameter: 4.50mm, Temper: Hard, Length: 100 mm to 1000 mm

Nickel Silver (Cu64/Ni12/Zn24)



Foil

CZ080300 Thickness: **0.125mm**, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

Nickel Silver (Cu65/Ni18/Zn17)



Tube

CZ057120 Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.8mm, Temper: Hard, Length: 100 mm to 1000 mm

CZ057240 Outside Diameter: **1.6mm**, Wall Thickness: 0.15mm, Inside Diameter: 1.3mm, Temper: Hard, Length: 100 mm to 1000 mm

CZ057750 Outside Diameter: **6.35mm**, Wall Thickness: 0.5mm, Inside Diameter: 5.35mm, Temper: Hard, Length: 100 mm to 1000 mm

Copper/Iron (Cu70/Fe30)



Powder

CU036010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Copper/Nickel (Cu70/Ni30)



Foil

CU130700 Thickness: **1.6mm**, Size: 150x150 mm to 300x300 mm



Rod

CU137920 Diameter: **12.7mm**, Temper: As drawn, Length: 200 mm to 1000 mm



Tube

CU137150 Outside Diameter: **0.4mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.1mm, Temper: Hard, Length: 100 mm to 1000 mm

CU137200 Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Purity: 100%, Inside Diameter: 0.8mm, Temper: Hard, Length: 100 mm to 1000 mm

CU137300 Outside Diameter: **1.5mm**, Wall Thickness: 0.18mm, Purity: 100%, Inside Diameter: 1.14mm, Length: 100 mm to 1000 mm

CU137400 Outside Diameter: **3.0mm**, Wall Thickness: 0.175mm, Purity: 100%, Inside Diameter: 2.65mm, Temper: Hard, Length: 100 mm to 1000 mm

Copper/Titanium (Cu70/Ti30)



Powder

CU266010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Alloys

Brass (Cu70/Zn30)

Boltomet 570[®], Cartridge Brass, IMI 276[®], MS 72



Wire

CU085110 Diameter: **0.025mm**, Temper: As drawn

CU085120 Diameter: **0.05mm**, Temper: As drawn

CU085300 Diameter: **0.6mm**, Temper: As drawn



Tube

CU087300 Outside Diameter: **3.56mm**, Wall Thickness: 0.41mm, Inside Diameter: 2.74mm, Temper: As drawn, Length: 100 mm to 1000 mm



Powder

CU086011 Max. Particle size: **100micron**, Condition: Atomized



Sphere

CU086820 Diameter: **2.0mm**

CU086840 Diameter: **3.0mm**

Copper/Zirconium (Cu70/Zr30)



Powder

CU236010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Copper/Platinum (Cu75/Pt25 (Atomic %))



Lump

CY076100 Max. Lump size: **20mm**

Copper/Lead (Cu80/Pb20)



Powder

CU156010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Copper/Tin (Cu80/Sn20)



Powder

CU226020 Max. Particle size: **53micron**

Copper/Silicon (Cu85/Si15)



Powder

CU176011 Max. Particle size: **150micron**

CU176010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Gilding Metal (Cu85/Zn15)

Boltomet 514[®], Brown metal, IMI 215[®], MS 85, Red Brass



Wire

CU115100 Diameter: **0.061mm**, Temper: As drawn

CU115200 Diameter: **0.711mm**, Temper: As drawn

Manganin[®] - Resistance Alloy (Cu86/Mn12/Ni 2)



Foil

CU060200 Thickness: **0.005mm**, Size: 25x25 mm to 50x50 mm

CU060210 Thickness: **0.015mm**, Temper: As rolled, Coil width 190 mm, Size: 190x300 mm

CU060220 Thickness: **0.02mm**, Temper: As rolled, Coil width 200 mm, Size: 200x300 mm

CU060230 Thickness: **0.025mm**, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CU060240 Thickness: **0.04mm**, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x300 mm

CU060500 Thickness: **0.5mm**, Temper: Annealed, Size: 50x50 mm to 300x1000 mm

CU060510 Thickness: **0.635mm**, Temper: Annealed, Coil width 100 mm Length : 0.1 m to 2 m

CU060550 Thickness: **1.0mm**, Temper: Annealed, Size: 50x50 mm to 300x1000 mm

CU060575 Thickness: **2.0mm**, Temper: Annealed, Size: 50x50 mm to 300x500 mm



Wire

CU065110 Diameter: **0.025mm**, Temper: Annealed

CU065120 Diameter: **0.05mm**, Temper: Annealed

CU065130 Diameter: **0.125mm**, Temper: Annealed

CU065140 Diameter: **0.25mm**, Temper: Annealed

CU065145 Diameter: **0.4mm**, Temper: Annealed

CU065150 Diameter: **0.5mm**, Temper: Annealed

CU065155 Diameter: **0.7mm**, Temper: Annealed

CU065160 Diameter: **1.0mm**, Temper: Annealed



Insulated Wire

CU065805 Conductor diameter: **0.030mm**, Insulation thickness: 0.004mm, Insulation: Polyimide

CU065810 Conductor diameter: **0.05mm**, Insulation thickness: 0.004mm, Insulation: Polyester

CU065815 Conductor diameter: **0.05mm**, Insulation thickness: 0.004mm, Insulation: Polyimide

CU065820 Conductor diameter: **0.1mm**, Insulation thickness: 0.005mm, Insulation: Polyimide

CU065825 Conductor diameter: **0.25mm**, Insulation thickness: 0.02mm, Insulation: Polyimide



Rod

CU067910 Diameter: **3.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm

CU067920 Diameter: **8mm**, Temper: Annealed, Length: 100 mm to 1000 mm



Powder

CU066010 Max. Particle size: **420micron**, Min. Particle size: 180micron

Copper/Zirconium (Cu87/Zr13)



Powder

CU246010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Bronze (Cu89/Sn11)



Powder

CU096010 Max. Particle size: **150micron**, Condition: Atomized

Copper/Silver (Cu90/Ag10)



Rod

CY277920 Diameter: **15mm**, Temper: As drawn, Length: 100 mm to 1000 mm

Alloys

Copper/Titanium (Cu90/Ti10)



Powder

CU256011 Max. Particle size: **45micron**, Condition: Atomized

CU256010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Phosphor Bronze (Cu94/Sn 6)



Foil

CU050200 Thickness: **0.005mm**, Temper: As rolled, Coil width 115 mm, Size: 25x25 mm to 115x150 mm

CU050210 Thickness: **0.02mm**, Temper: As rolled, Coil width 200 mm, Size: 100x100 mm to 200x300 mm

CU050220 Thickness: **0.025mm**, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x300 mm

CU050240 Thickness: **0.05mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CU050245 Thickness: **0.076mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CU050250 Thickness: **0.125mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

CU050255 Thickness: **0.2mm**, Temper: Hard, Coil width 6 mm Length : 5 m to 50 m

CU050260 Thickness: **0.25mm**, Temper: Hard, Coil width 310 mm, Size: 25x25 mm to 300x300 mm



Sheet

CU053150 Thickness: **3.2mm**, Temper: Hard, Size: 150x150 mm to 300x300 mm



Wire

CU055110 Diameter: **0.01mm**, Temper: As drawn

CU055120 Diameter: **0.025mm**, Temper: Hard

CU055130 Diameter: **0.05mm**, Temper: As drawn

CU055140 Diameter: **0.125mm**, Temper: As drawn

CU055150 Diameter: **0.25mm**, Temper: As drawn

CU055350 Diameter: **0.5mm**, Temper: Annealed, Condition: Straight wire

CU055160 Diameter: **0.5mm**, Temper: As drawn

CU055170 Diameter: **1.0mm**, Temper: As drawn



Insulated Wire

CU055810 Conductor diameter: **0.025mm**, Insulation thickness: 0.01mm, Insulation: Polyimide

CU055830 Conductor diameter: **0.125mm**, Insulation thickness: 0.01mm, Insulation: Polyimide

CU055840 Conductor diameter: **0.25mm**, Insulation thickness: 0.018mm, Insulation: Polyimide



Rod

CU057910 Diameter: **12.7mm**, Length: 100 mm to 1000 mm

CU057920 Diameter: **25.4mm**, Length: 100 mm to 1000 mm

CU057940 Diameter: **50.8mm**, Length: 100 mm to 500 mm

Copper/Silver (Cu95/Ag 5)



Rod

CY137920 Diameter: **15mm**, Temper: As drawn, Length: 100 mm to 1000 mm

Copper/Gold (Cu95/Au 5)



Lump

CY286100 Max. Lump size: **10mm**

Copper/Cobalt/Beryllium (Cu97/Co 2.5/Be 0.5)



Rod

CY267910 Diameter: **6mm**, Length: 100 mm to 1000 mm

CY267940 Diameter: **25mm**, Length: 100 mm to 1000 mm

Copper/Silver (Cu98/Ag 2)



Powder

CU186010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Copper/Beryllium (Cu98/Be 2)

Ampcoloy 84[®], Berylco[®], Brush 190[®], Mallory[®]



Foil

CU070225 Thickness: **0.005mm**, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

CU070230 Thickness: **0.0065mm**, Temper: As rolled, Coil width 90 mm, Size: 90x150 mm

CU070250 Thickness: **0.0076mm**, Temper: As rolled, Size: 25x25 mm to 89x100 mm

CU070260 Thickness: **0.01mm**, Temper: As rolled, Coil width 220 mm, Size: 220x300 mm

CU070276 Thickness: **0.02mm**, Temper: Half hard, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

CU070275 Thickness: **0.02mm**, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x300 mm

CU070280 Thickness: **0.025mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CU070300 Thickness: **0.05mm**, Temper: Half hard, Coil width 292 mm, Size: 25x25 mm to 150x150 mm

CU070330 Thickness: **0.075mm**, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CU070340 Thickness: **0.1mm**, Temper: Half hard, Coil width 210 mm, Size: 25x25 mm to 150x150 mm

CU070350 Thickness: **0.125mm**, Temper: Half hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

CU070361 Thickness: **0.15mm**, Temper: Half hard, Ribbon width 0.3 mm Length : 0.5 m to 10 m

CU070360 Thickness: **0.15mm**, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

CU070380 Thickness: **0.2mm**, Temper: Annealed, Coil width 230 mm, Size: 25x25 mm to 150x150 mm

CU070381 Thickness: **0.2mm**, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

CU070450 Thickness: **0.25mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

CU070475 Thickness: **0.38mm**, Temper: Annealed, Coil width 166 mm, Size: 25x25 mm to 150x150 mm

CU070501 Thickness: **0.5mm**, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

Alloys

CU070525 Thickness: **0.75mm**, Temper: Half hard, Coil width 310 mm, Size: 25x25 mm to 300x300 mm

CU070550 Thickness: **1.0mm**, Temper: Annealed, Coil width 215 mm, Size: 25x25 mm to 200x200 mm

CU070601 Thickness: **3.0mm**, Temper: 1/4 Hard, Coil width 180 mm, Size: 90x90 mm to 180x180 mm

CU070600 Thickness: **3.0mm**, Temper: Annealed, Coil width 215 mm, Size: 50x50 mm to 200x200 mm

CU070650 Thickness: **6.35mm**, Temper: Hard, Size: 50x50 mm to 100x100 mm



Wire

CU075110 Diameter: **0.025mm**, Temper: Hard

CU075111 Diameter: **0.030mm**, Temper: Hard

CU075115 Diameter: **0.05mm**, Temper: Hard

CU075118 Diameter: **0.075mm**, Temper: Hard

CU075120 Diameter: **0.125mm**, Temper: Hard

CU075130 Diameter: **0.25mm**, Temper: Hard

CU075132 Diameter: **0.30mm**, Temper: Annealed

CU075320 Diameter: **0.5mm**, Condition: Straight wire, Temper: Hard

CU075140 Diameter: **0.5mm**, Temper: Hard

CU075340 Diameter: **1.0mm**, Condition: Straight wire, Temper: Hard

CU075150 Diameter: **1.0mm**, Temper: Hard

CU075160 Diameter: **1.63mm**, Temper: Hard



Insulated Wire

CU075820 Conductor diameter: **0.025mm**, Insulation thickness: 0.004mm, Insulation: Polyimide, Temper: Hard



Rod

CU077910 Diameter: **3.2mm**, Temper: Half hard, Length: 100 mm to 1000 mm

CU077920 Diameter: **4.8mm**, Temper: Hard, Length: 100 mm to 1000 mm

CU077925 Diameter: **6.35mm**, Temper: Hard, Length: 100 mm to 1000 mm

CU077930 Diameter: **9.5mm**, Temper: As drawn, Length: 100 mm to 1000 mm

CU077940 Diameter: **12.7mm**, Temper: As drawn, Length: 100 mm to 1000 mm

CU077960 Diameter: **31.75mm**, Temper: Hard, Length: 100 mm to 200 mm

CU077980 Diameter: **50.8mm**, Temper: Hard, Length: 50 mm to 100 mm

Copper/Chromium/Zirconium (Cu98.9/Cr 1.0/Zr 0.1)



Rod

CY257925 Diameter: **25mm**, Length: 100 mm to 1000 mm

Copper/Tellurium (Cu99.5/Te 0.5)



Rod

CY247905 Diameter: **6.0mm**, Length: 100 mm to 1000 mm

CY247910 Diameter: **12.7mm**, Length: 100 mm to 1000 mm

CY247925 Diameter: **25mm**, Length: 100 mm to 1000 mm

Tinned Copper (CuSn)



Foil

CU200250 Thickness: **0.05mm**, Temper: Annealed, Condition: Sn60/Pb40 coated, Coil width 15 mm Length : 0.5 m to 20 m



Wire

CU205140 Diameter: **0.25mm**, Temper: Annealed, Condition: Pure Sn coated

Iron/Nickel (Fe50/Ni50)



Wire

FE075160 Diameter: **1.0mm**, Temper: Annealed



Powder

FE076020 Max. Particle size: **45micron**

Iron/Nickel (Fe52/Ni48)

Audiolloy[®], Nilo[®] alloy 48



Foil

FF010300 Thickness: **0.75mm**, Temper: Annealed, Size: 25x25 mm to 200x200 mm



Wire

FF015150 Diameter: **0.5mm**, Temper: Annealed

Glass Sealing Alloy (Fe54/Ni29/Co17)

Dilver P[®], Nicosel[®], Nicosel[®], Nilo[®] K, Rodar[®], Telcoseal 1[®], Kovar[®] (CRS Holdings Inc a subsidiary of Carpenter Technology Corporation)



Foil

FE040210 Thickness: **0.025mm**, Temper: Annealed, Coil width 156 mm, Size: 25x25 mm to 150x150 mm

FE040240 Thickness: **0.05mm**, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 150x150 mm

FE040241 Thickness: **0.05mm**, Temper: Annealed, Condition: Flattened, Size: 100x100 mm to 200x520 mm

FE040261 Thickness: **0.075mm**, Temper: Annealed, Condition: Flattened, Size: 90x100 mm to 195x500 mm

FE040200 Thickness: **0.125mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE040280 Thickness: **0.20mm**, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

FE040300 Thickness: **0.25mm**, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 150x150 mm

FE040305 Thickness: **0.30mm**, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 150x150 mm

FE040310 Thickness: **0.5mm**, Temper: Annealed, Size: 25x25 mm to 300x300 mm

FE040330 Thickness: **0.75mm**, Temper: Annealed, Size: 300x300 mm

FE040350 Thickness: **1.0mm**, Temper: Annealed, Size: 50x50 mm to 150x150 mm

FE040380 Thickness: **1.5mm**, Temper: Annealed, Size: 50x50 mm to 150x150 mm

Alloys



Sheet

- FE043200** Thickness: **3.2mm**, Temper: Annealed, Size: 100x100 mm to 300x300 mm
- FE043300** Thickness: **6.35mm**, Temper: Annealed, Size: 50x50 mm to 100x100 mm
- FE043350** Thickness: **12.7mm**, Temper: Annealed, Size: 50x50 mm to 100x100 mm



Wire

- FE045050** Diameter: **0.05mm**, Temper: As drawn
- FE045120** Diameter: **0.12mm**, Temper: As drawn
- FE045251** Diameter: **0.25mm**, Temper: As drawn, Condition: Straight wire
- FE045250** Diameter: **0.25mm**, Temper: As drawn
- FE045261** Diameter: **0.30mm**, Temper: As drawn, Condition: Straight wire
- FE045260** Diameter: **0.30mm**, Temper: As drawn
- FE045350** Diameter: **0.5mm**, Temper: Annealed
- FE045375** Diameter: **0.75mm**, Temper: Annealed
- FE045400** Diameter: **1.0mm**, Temper: As drawn



Rod

- FE047900** Diameter: **1.25mm**, Length: 100 mm to 1000 mm
- FE047901** Diameter: **1.6mm**, Length: 100 mm to 1000 mm
- FE047902** Diameter: **2.0mm**, Length: 100 mm to 1000 mm
- FE047905** Diameter: **3.2mm**, Length: 100 mm to 1000 mm
- FE047910** Diameter: **6.35mm**, Length: 100 mm to 1000 mm
- FE047925** Diameter: **12.7mm**, Length: 50 mm to 500 mm
- FE047935** Diameter: **19mm**, Length: 50 mm to 500 mm
- FE047950** Diameter: **25mm**, Length: 50 mm to 500 mm
- FE047955** Diameter: **38.1mm**, Length: 50 mm to 200 mm
- FE047960** Diameter: **50mm**, Length: 50 mm to 200 mm
- FE047965** Diameter: **63.5mm**, Length: 50 mm to 200 mm
- FE047970** Diameter: **76mm**, Length: 100 mm to 200 mm
- FE047990** Diameter: **100mm**, Length: 50 mm to 200 mm



Tube

- FE047100** Outside Diameter: **0.6mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.4mm, Temper: As drawn, Length: 100 mm to 1000 mm
- FE047301** Outside Diameter: **2.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 1.0mm, Temper: As drawn, Length: 100 mm to 1000 mm
- FE047410** Outside Diameter: **3.175mm**, Wall Thickness: 0.254mm, Inside Diameter: 2.667mm, Temper: As drawn, Length: 100 mm to 1000 mm
- FE047470** Outside Diameter: **4.24mm**, Wall Thickness: 0.38mm, Inside Diameter: 3.48mm, Temper: As drawn, Length: 100 mm to 1000 mm
- FE047600** Outside Diameter: **6.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 5mm, Temper: As drawn, Length: 100 mm to 1000 mm
- FE047650** Outside Diameter: **6.35mm**, Wall Thickness: 0.25mm, Inside Diameter: 5.85mm, Temper: As drawn, Length: 100 mm to 1000 mm
- FE047750** Outside Diameter: **9.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 8mm, Temper: As drawn, Length: 100 mm to 1000 mm



Powder

- FE046011** Max. Particle size: **45micron**, Condition: Atomized
- FE046010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Iron/Nickel (Fe55/Ni45)



Foil

- FE180400** Thickness: **0.1mm**, Coil width 150 mm, Size: 25x25 mm to 150x150 mm



Rod

- FE187910** Diameter: **6.0mm**, Length: 100 mm to 1000 mm
- FE187925** Diameter: **13.5mm**, Length: 100 mm to 1000 mm

Iron/Nickel (Fe58/Ni42)



Foil

- FE130250** Thickness: **0.125mm**, Size: 100x100 mm to 200x200 mm



Sheet

- FE133150** Thickness: **3.2mm**, Temper: Annealed, Size: 100x100 mm



Powder

- FE136011** Max. Particle size: **45micron**, Condition: Atomized
- FE136010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Iron/Titanium (Fe60/Ti40)



Powder

- FE156010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Iron/Nickel (Fe61/Ni39)



Foil

- FK120275** Thickness: **0.25mm**, Coil width 200 mm, Size: 50x50 mm to 200x200 mm

Iron/Molybdenum (Fe64/Mo36)



Lump

- FK136100** Max. Lump size: **50mm**, Condition: Nominal 100g ingots

Invar® - Controlled Expansion Alloy (Fe64/Ni36)

Invar 36®, Nilo® alloy 36, Nilvar, NS 36, Permalloy D®, Radio metal 36®, Vacodil 36®



Foil

- FE020210** Thickness: **0.008mm**, Size: 25x25 mm to 50x50 mm
- FE020215** Thickness: **0.0125mm**, Tolerance: 10%, Coil width 200 mm, Size: 25x25 mm to 150x150 mm
- FE020220** Thickness: **0.02mm**, Coil width 200 mm, Size: 25x25 mm to 150x150 mm
- FE020225** Thickness: **0.025mm**, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

Alloys

FE020240 Thickness: **0.05mm**, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

FE020245 Thickness: **0.08mm**, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

FE020265 Thickness: **0.125mm**, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

FE020275 Thickness: **0.25mm**, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

FE020350 Thickness: **0.5mm**, Temper: Annealed, Size: 25x25 mm to 200x900 mm

FE020351 Thickness: **0.5mm**, Temper: Annealed, Size: 300x300 mm to 600x600 mm

FE020375 Thickness: **0.75mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm

FE020400 Thickness: **1.0mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm

FE020450 Thickness: **1.5mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm



Sheet

FE023120 Thickness: **2.5mm**, Temper: Annealed, Size: 150x150 mm

FE023150 Thickness: **3.2mm**, Temper: Annealed, Size: 100x100 mm

FE023200 Thickness: **6.35mm**, Temper: Annealed, Size: 100x100 mm

FE023000 Thickness: **12.7mm**, Temper: Annealed, Size: 50x50 mm to 100x100 mm

FE023250 Thickness: **16mm**, Temper: Annealed, Size: 103x104 mm

FE023280 Thickness: **25mm**, Temper: Annealed, Size: 59.5x59.5 mm



Wire

FE025010 Diameter: **0.01mm**, Temper: Annealed

FE025100 Diameter: **0.05mm**, Temper: Annealed

FE025120 Diameter: **0.12mm**, Temper: Annealed

FE025250 Diameter: **0.25mm**, Temper: Annealed

FE025350 Diameter: **0.5mm**, Temper: Annealed

FE025360 Diameter: **0.6mm**, Temper: Annealed

FE025401 Diameter: **1mm**, Temper: Annealed, Condition: Straight wire

FE025402 Diameter: **1mm**, Temper: Hard

FE025400 Diameter: **1mm**, Temper: Annealed

FE025450 Diameter: **1.5mm**, Temper: Annealed



Rod

FE027902 Diameter: **1.6mm**, Length: 100 mm to 1000 mm

FE027903 Diameter: **2.0mm**, Length: 100 mm to 1000 mm

FE027905 Diameter: **3.2mm**, Length: 100 mm to 1000 mm

FE027910 Diameter: **6.35mm**, Length: 100 mm to 1000 mm

FE027925 Diameter: **12.7mm**, Length: 100 mm to 1000 mm

FE027935 Diameter: **19mm**, Length: 100 mm to 500 mm

FE027950 Diameter: **25mm**, Length: 100 mm to 500 mm

FE027955 Diameter: **38.1mm**, Length: 50 mm to 200 mm

FE027960 Diameter: **50mm**, Length: 100 mm to 1000 mm

FE027970 Diameter: **63mm**, Length: 50 mm to 1000 mm

FE027980 Diameter: **75mm**, Length: 50 mm to 200 mm

FE027990 Diameter: **100mm**, Length: 50 mm to 200 mm



Tube

FE027200 Outside Diameter: **2.2mm**, Wall Thickness: 0.16mm, Inside Diameter: 1.88mm, Length: 100 mm to 1000 mm



Powder

FE026011 Max. Particle size: **45micron**, Condition: Atomized

FE026010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Aluchrom O[®] - Resistance Alloy (Fe70/Cr25/Al 5)



Wire

FE065130 Diameter: **0.125mm**, Temper: Annealed

FE065140 Diameter: **0.25mm**, Temper: Annealed

FE065150 Diameter: **0.5mm**, Temper: Annealed

FE065160 Diameter: **1.0mm**, Temper: Annealed

Fecralloy[®] - Iron/Chromium (Fe72.8/Cr22/Al 5/Y 0.1/Zr 0.1)



Foil

FE080210 Thickness: **0.020mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

FE080240 Thickness: **0.05mm**, Temper: As rolled, Coil width 54 mm Length : 1 m to 20 m

FE080250 Thickness: **0.05mm**, Temper: As rolled, Size: 50x50 mm to 100x100 mm

FE080251 Thickness: **0.05mm**, Temper: As rolled, Coil width 250 mm, Size: 100x100 mm to 200x200 mm

FE080252 Thickness: **0.05mm**, Temper: Annealed, Coil width 250 mm, Size: 90x90 mm to 180x180 mm

FE080260 Thickness: **0.1mm**, Temper: Annealed, Coil width 68 mm Length : 0.5 m to 10 m

FE080261 Thickness: **0.1mm**, Temper: Annealed, Coil width 175 mm, Size: 85x85 mm to 175x175 mm

FE080270 Thickness: **0.2mm**, Temper: Annealed, Coil width 130 mm Length : 0.2 m to 2 m

FE080280 Thickness: **0.3mm**, Temper: Annealed, Coil width 195 mm, Size: 50x100 mm to 50x200 mm

FE080500 Thickness: **0.5mm**, Temper: As rolled, Size: 100x100 mm to 200x1000 mm

FE080600 Thickness: **1.0mm**, Temper: As rolled, Size: 50x50 mm to 200x500 mm

FE080750 Thickness: **2.0mm**, Temper: As rolled, Size: 50x50 mm to 200x500 mm



Sheet

FE083150 Thickness: **3mm**, Temper: As rolled, Size: 100x100 mm to 100x200 mm

FE083200 Thickness: **5mm**, Temper: As rolled, Size: 100x100 mm to 200x200 mm

FE083201 Thickness: **5mm**, Temper: As rolled, Size: 207x590 mm to 207x1000 mm



Wire

FE085100 Diameter: **0.125mm**, Temper: As drawn

Alloys

- FE085120** Diameter: **0.25mm**, Temper: Annealed
FE085130 Diameter: **0.5mm**, Temper: Annealed
FE085140 Diameter: **0.914mm**, Temper: Annealed



Rod

- FE087902** Diameter: **1.8mm**, Length: 100 mm to 1000 mm
FE087905 Diameter: **3.2mm**, Length: 100 mm to 1000 mm
FE087920 Diameter: **12mm**, Length: 100 mm to 1000 mm
FE087925 Diameter: **16mm**, Length: 100 mm to 1000 mm
FE087940 Diameter: **25.4mm**, Length: 100 mm to 500 mm
FE087945 Diameter: **38mm**, Length: 50 mm to 200 mm
FE087950 Diameter: **50mm**, Length: 50 mm to 100 mm



Tube

- FE087250** Outside Diameter: **6.0mm**, Wall Thickness: 0.4mm, Inside Diameter: 5.2mm, Length: 100 mm to 1000 mm
FE087450 Outside Diameter: **12.7mm**, Wall Thickness: 0.8mm, Inside Diameter: 11.1mm, Length: 50 mm to 500 mm
FE087500 Outside Diameter: **15mm**, Wall Thickness: 1.5mm, Inside Diameter: 12mm, Length: 50 mm to 500 mm



Lump

- FE086100** Max. Lump size: **50mm**, Condition: Pellets

Chromaloy O[®] - Resistance Alloy (Fe75/Cr20/Al 5)



Wire

- FA185125** Diameter: **0.25mm**, Temper: Annealed
FA185150 Diameter: **0.5mm**, Temper: Annealed

Iron/Chromium/Aluminum (Fe81/Cr16/Al 3)



Powder

- FK186010** Max. Particle size: **45micron**, Condition: Atomized

Iron/Chromium/Molybdenum (Fe81/Cr16/Mo 3)



Powder

- FK256010** Max. Particle size: **45micron**, Condition: Atomized
FK256011 Max. Particle size: **150micron**, Min. Particle size: 30micron, Condition: Atomized

Iron/Silicon (Fe83/Si17)



Powder

- FE176010** Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Iron/Chromium/Molybdenum (Fe90/Cr 9/Mo 1)



Foil

- FE010200** Thickness: **0.003mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm
FE010210 Thickness: **0.004mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

- FE010220** Thickness: **0.005mm**, Temper: As rolled, Size: 25x25 mm to 33x50 mm

- FE010230** Thickness: **0.006mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

- FE010240** Thickness: **0.007mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

- FE010250** Thickness: **0.008mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

Iron/Silicon (Fe91/Si 9)



Powder

- FE166010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Silver Steel (Fe98/C 1.1/Cr0.4/Mn0.3/Si0.2)



Rod

- FA217910** Diameter: **2.0mm**, Length: 165 mm to 330 mm

Stainless Steel - 15-7PH (Fe/Cr15/Ni 7/Mo 2.25)



Foil

- FE290300** Thickness: **0.05mm**, Temper: Annealed, Condition: Precipitation hardenable, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

- FE290320** Thickness: **0.125mm**, Temper: Annealed, Condition: Precipitation hardenable, Size: 25x25 mm to 300x300 mm

- FE290350** Thickness: **0.25mm**, Temper: Annealed, Condition: Precipitation hardenable, Size: 25x25 mm to 150x150 mm

Stainless Steel - 17-4PH (Fe/Cr17/Ni 4)



Rod

- FL017920** Diameter: **12.7mm**, Length: 100 mm to 1000 mm

- FL017925** Diameter: **16mm**, Length: 100 mm to 1000 mm

Stainless Steel - 17-7PH (Fe/Cr17/Ni 7)



Foil

- FE280290** Thickness: **0.05mm**, Temper: As rolled - Condition C, Condition: Precipitation hardenable, Size: 25x25 mm to 50x50 mm

- FE280300** Thickness: **0.075mm**, Temper: Annealed - Condition A, Condition: Precipitation hardenable, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

- FE280320** Thickness: **0.125mm**, Temper: Annealed - Condition A, Condition: Precipitation hardenable, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

- FE280321** Thickness: **0.15mm**, Temper: As rolled - Condition C, Condition: Precipitation hardenable, Coil width 25 mm Length: 0.5 m to 10 m

- FE280350** Thickness: **0.3mm**, Temper: Annealed - Condition A, Condition: Precipitation hardenable, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

Alloys

FE280360 Thickness: **0.635 mm**, Temper: Annealed - Condition A, Condition: Precipitation hardenable, Coil width 14 mm Length: 0.5 m to 10 m



Wire

FE285150 Diameter: **0.5mm**

Stainless Steel - AISI 302 (Fe/Cr18/Ni 8)



Foil

FE200201 Thickness: **0.0125mm**, Temper: Hard, Size: 25x25 mm

FE200230 Thickness: **0.05mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE200270 Thickness: **0.1mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE200280 Thickness: **0.125mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE200290 Thickness: **0.15mm**, Temper: Hard, Coil width 296 mm, Size: 25x25 mm to 300x300 mm

FE200297 Thickness: **0.2mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm



Wire

FE205100 Diameter: **0.01mm**, Temper: As drawn

FE205110 Diameter: **0.025mm**, Temper: Hard

FE205111 Diameter: **0.025mm**, Temper: Annealed

FE205116 Diameter: **0.05mm**, Temper: Hard

FE205115 Diameter: **0.05mm**, Temper: Annealed

FE205320 Diameter: **0.1mm**, Condition: Straight wire, Temper: Hard

FE205118 Diameter: **0.1mm**, Temper: Hard

FE205119 Diameter: **0.1mm**, Temper: Annealed

FE205120 Diameter: **0.125mm**, Temper: Hard

FE205130 Diameter: **0.25mm**, Temper: Hard

FE205140 Diameter: **0.5mm**, Temper: Hard

FE205350 Diameter: **0.6mm**, Condition: Straight wire, Temper: Hard

FE205150 Diameter: **1.0mm**, Temper: Hard



Insulated Wire

FE205811 Conductor diameter: **0.025mm**, Insulation thickness: **0.002mm**, Insulation: 2 micron Polyesterimide

FE205850 Conductor diameter: **0.1mm**, Insulation thickness: **0.01mm**, Insulation: Epoxy

Stainless Steel - AISI 303 (Fe/Cr18/Ni 9/Mn/Si)



Rod

FA117910 Diameter: **12mm**, Length: 100 mm to 1000 mm

Stainless Steel - AISI 304 (Fe/Cr18/Ni10)



Foil

FE220200 Thickness: **0.005mm**, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

FE220130 Thickness: **0.006mm**, Size: 25x25 mm to 50x50 mm

FE220207 Thickness: **0.007mm**, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

FE220150 Thickness: **0.008mm**, Size: 50x50 mm to 100x100 mm

FE220209 Thickness: **0.01mm**, Temper: As rolled, Coil width 116 mm Length: 0.1 m to 1 m

FE220170 Thickness: **0.01mm**, Size: 100x100 mm

FE220210 Thickness: **0.0125mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220211 Thickness: **0.015mm**, Temper: As rolled, Coil width 300 mm, Size: 300x300 mm

FE220215 Thickness: **0.02mm**, Temper: As rolled, Coil width 200 mm, Size: 200x300 mm

FE220221 Thickness: **0.025mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220250 Thickness: **0.05mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220260 Thickness: **0.075mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220270 Thickness: **0.1mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FE220280 Thickness: **0.125mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220290 Thickness: **0.15mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220291 Thickness: **0.15mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220320 Thickness: **0.2mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220321 Thickness: **0.25mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220322 Thickness: **0.25mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220326 Thickness: **0.40mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220323 Thickness: **0.5mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220341 Thickness: **0.914mm**, Surface treatment: Titanium Nitride coating 2-3 microns, Size: 25x25 mm to 100x100 mm

FE220340 Thickness: **0.914mm**, Temper: Annealed, Size: 50x50 mm to 500x500 mm

FE220380 Thickness: **2.0mm**, Temper: Annealed, Size: 150x150 mm to 300x300 mm



Mesh

FE228710 Nominal Aperture: **0.38mm**, Wire diameter: 0.25mm, Wires/inch: 40x40, Open area: 37%, Type: Plain weave mesh, Size: 100x100 mm to 900x900 mm



Wire

FE225110 Diameter: **0.05mm**, Temper: Annealed

FE225120 Diameter: **0.075mm**, Temper: Annealed

FE225330 Diameter: **0.5mm**, Condition: Straight wire, Temper: As drawn

FE225140 Diameter: **0.5mm**, Temper: Annealed

FE225141 Diameter: **0.6mm**, Temper: Annealed

FE225340 Diameter: **1.0mm**, Condition: Straight wire, Temper: As drawn

Alloys

FE225150 Diameter: **1.0mm**, Temper: Hard



Rod

FE227902 Diameter: **2.0mm**, Temper: As drawn, Length: 500 mm to 1000 mm

FE227903 Diameter: **3.0mm**, Temper: As drawn, Length: 500 mm to 1000 mm

FE227904 Diameter: **4.0mm**, Temper: As drawn, Length: 500 mm to 1000 mm

FE227910 Diameter: **6.35mm**, Temper: As drawn, Length: 500 mm to 1000 mm

FE227920 Diameter: **12.7mm**, Temper: As drawn, Length: 100 mm to 1000 mm

FE227930 Diameter: **25mm**, Temper: As drawn, Length: 100 mm to 1000 mm



Tube

FE227105 Outside Diameter: **0.2mm**, Wall Thickness: 0.05mm, Inside Diameter: 0.1mm, Temper: Hard, Length: 100 mm to 1000 mm

FE227108 Outside Diameter: **0.21mm**, Wall Thickness: 0.065mm, Inside Diameter: 0.08mm, Temper: Hard, Length: 20 mm

FE227100 Outside Diameter: **0.25mm**, Wall Thickness: 0.05mm, Inside Diameter: 0.15mm, Temper: Hard, Length: 100 mm to 1000 mm

FE227150 Outside Diameter: **0.5mm**, Wall Thickness: 0.125mm, Inside Diameter: 0.25mm, Temper: Hard, Length: 100 mm to 1000 mm

FE227145 Outside Diameter: **0.5mm**, Wall Thickness: 0.11mm, Inside Diameter: 0.28mm, Temper: Hard, Length: 100 mm to 1000 mm

FE227140 Outside Diameter: **0.5mm**, Wall Thickness: 0.08mm, Inside Diameter: 0.34mm, Temper: As drawn, Length: 100 mm to 1000 mm

FE227130 Outside Diameter: **0.5mm**, Wall Thickness: 0.06mm, Inside Diameter: 0.38mm, Temper: As drawn, Length: 100 mm to 1000 mm

FE227200 Outside Diameter: **0.8mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.5mm, Temper: Hard, Length: 100 mm to 1000 mm

FE227180 Outside Diameter: **0.8mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.5mm, Temper: Annealed, Length: 100 mm to 1000 mm

FE227250 Outside Diameter: **1.1mm**, Wall Thickness: 0.2mm, Inside Diameter: 0.7mm, Temper: Hard, Length: 100 mm to 1000 mm

FE227251 Outside Diameter: **1.1mm**, Wall Thickness: 0.2mm, Inside Diameter: 0.7mm, Temper: Hard, Length: 5 mm

FE227300 Outside Diameter: **1.47mm**, Wall Thickness: 0.185mm, Inside Diameter: 1.1mm, Temper: Hard, Length: 100 mm to 1000 mm

FE227350 Outside Diameter: **2.05mm**, Wall Thickness: 0.25mm, Inside Diameter: 1.55mm, Temper: Hard, Length: 100 mm to 1000 mm

FE227400 Outside Diameter: **2.34mm**, Wall Thickness: 0.32mm, Inside Diameter: 1.7mm, Temper: Hard, Length: 100 mm to 1000 mm

FE227450 Outside Diameter: **2.95mm**, Wall Thickness: 0.325mm, Inside Diameter: 2.3mm, Temper: Hard, Length: 100 mm to 1000 mm

FE227600 Outside Diameter: **5.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 4mm, Temper: Annealed, Length: 100 mm to 1000 mm

FE227700 Outside Diameter: **8.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 7mm, Temper: Annealed, Length: 100 mm to 1000 mm

FE227710 Outside Diameter: **9.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 8mm, Temper: Hard, Length: 100 mm to 1000 mm

FE227800 Outside Diameter: **10.0mm**, Wall Thickness: 2.0mm, Inside Diameter: 6mm, Temper: Annealed, Length: 100 mm to 1000 mm

FE227850 Outside Diameter: **15.0mm**, Wall Thickness: 2.0mm, Inside Diameter: 11mm, Temper: Annealed, Length: 100 mm to 1000 mm



Powder

FE226010 Max. Particle size: **45micron**



Sphere

FE226805 Diameter: **0.5mm**

Stainless Steel - AISI 304L (Fe/Cr18/Ni10)



Foil

FA140250 Thickness: **0.2mm**, Temper: Annealed, Coil width 300 mm, Size: 50x50 mm to 300x300 mm

FA140300 Thickness: **0.3mm**, Temper: Annealed, Coil width 300 mm, Size: 50x50 mm to 300x300 mm

FA140450 Thickness: **0.75mm**, Temper: Annealed, Coil width 100 mm, Size: 50x50 mm to 100x100 mm

FA140500 Thickness: **1.0mm**, Temper: Annealed, Size: 100x100 mm to 500x500 mm



Rod

FA147905 Diameter: **2mm**, Length: 100 mm to 1000 mm

Stainless Steel - AISI 304L (Fe/Cr18/Ni10)



Tube

FK277500 Outside Diameter: **7.0mm**, Wall Thickness: 1mm, Inside Diameter: 5.0mm, Temper: Annealed, Length: 100 mm to 1000 mm

Stainless Steel - AISI 310 (Fe/Cr25/Ni20)



Foil

FE250220 Thickness: **0.914mm**, Temper: Annealed, Size: 50x50 mm to 900x900 mm

FE250250 Thickness: **2.0mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm



Rod

FE257910 Diameter: **6.35mm**, Temper: Annealed, Length: 100 mm to 1000 mm

FE257920 Diameter: **12.7mm**, Temper: Annealed, Length: 100 mm to 1000 mm

FE257930 Diameter: **19.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm

Stainless Steel - AISI 316 (Fe/Cr18/Ni10/Mo 3)



Foil

FE240201 Thickness: **0.005mm**, Temper: As rolled, Coil width 95 mm Length : 0.025 m to 0.2 m

Alloys

- FE240200** Thickness: **0.0075mm**, Temper: As rolled, Coil width 75 mm, Size: 25x25 mm to 75x150 mm
- FE240210** Thickness: **0.01mm**, Coil width 197 mm, Size: 25x25 mm to 190x300 mm
- FE240220** Thickness: **0.0125mm**, Temper: Hard, Coil width 300 mm, Size: 300x300 mm
- FE240236** Thickness: **0.025mm**, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- FE240235** Thickness: **0.025mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE240240** Thickness: **0.038mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 280x300 mm
- FE240241** Thickness: **0.043mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE240250** Thickness: **0.05mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- FE240260** Thickness: **0.075mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE240261** Thickness: **0.1mm**, Temper: Hard, Coil width 200 mm, Size: 25x25 mm to 300x300 mm
- FE240265** Thickness: **0.1mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE240270** Thickness: **0.125mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE240290** Thickness: **0.15mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE240300** Thickness: **0.25mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE240312** Thickness: **0.5mm**, Condition: Ion Implanted, Size: 50x50 mm
- FE240311** Thickness: **0.5mm**, Surface treatment: Titanium Nitride coating 2-3 microns, Size: 25x25 mm to 100x100 mm
- FE240310** Thickness: **0.5mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE240321** Thickness: **0.914mm**, Surface treatment: Titanium Nitride coating 2-3 microns, Size: 25x25 mm
- FE240315** Thickness: **0.914mm**, Temper: As rolled, Size: 50x50 mm to 500x500 mm
- FE240320** Thickness: **0.914mm**, Temper: Annealed, Size: 50x50 mm to 500x500 mm
- FE240380** Thickness: **3.0mm**, Temper: Annealed, Size: 150x150 mm to 300x300 mm
- FE240385** Thickness: **5.0mm**, Size: 40x100 mm to 40x500 mm



Foam

- FE243825** Thickness: **6.35mm**, Bulk density: 0.55g.cm⁻³, Pores/cm: 24, Size: 150x150 mm



Mesh

- FE248705** Nominal Aperture: **0.103mm**, Wire diameter: 0.066mm, Wires/inch: 150x150, Open area: 37%, Type: Plain weave mesh, Size: 150x150 mm to 600x600 mm
- FE248710** Nominal Aperture: **0.38mm**, Wire diameter: 0.25mm, Wires/inch: 40x40, Open area: 37%, Type: Plain weave mesh, Size: 100x100 mm to 600x600 mm



Wire

- FE245100** Diameter: **0.05mm**, Temper: Annealed
- FE245102** Diameter: **0.15mm**, Temper: Hard
- FE245105** Diameter: **0.25mm**, Temper: Hard
- FE245320** Diameter: **0.5mm**, Condition: Straight wire, Temper: Hard
- FE245130** Diameter: **0.5mm**, Temper: Hard
- FE245131** Diameter: **0.5mm**, Temper: Annealed
- FE245135** Diameter: **0.6mm**, Temper: Hard
- FE245140** Diameter: **0.8mm**, Temper: Hard
- FE245110** Diameter: **1.0mm**, Temper: Hard



Insulated Wire

- FE245815** Conductor diameter: **0.025mm**, Insulation thickness: 0.002mm, Insulation: Polyester
- FE245820** Conductor diameter: **0.05mm**, Insulation thickness: 0.003mm, Insulation: Polyester
- FE245810** Conductor diameter: **0.075mm**, Insulation thickness: 0.018mm, Insulation: Teflon
- FE245840** Conductor diameter: **0.125mm**, Insulation thickness: 0.007mm, Insulation: Polyester
- FE245850** Conductor diameter: **0.25mm**, Insulation thickness: 0.009mm, Insulation: Polyester



Rod

- FE247910** Diameter: **2.0mm**, Temper: Hard, Length: 500 mm to 1000 mm
- FE247930** Diameter: **12.7mm**, Length: 100 mm to 1000 mm
- FE247940** Diameter: **25.4mm**, Length: 100 mm to 500 mm



Tube

- FE247200** Outside Diameter: **3.0mm**, Wall Thickness: 0.75mm, Inside Diameter: 1.5mm, Temper: Hard, Length: 100 mm to 1000 mm
- FE247500** Outside Diameter: **8.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 6mm, Temper: Annealed, Length: 100 mm to 1000 mm
- FE247600** Outside Diameter: **11.1mm**, Wall Thickness: 0.7mm, Inside Diameter: 9.7mm, Temper: Annealed, Length: 100 mm to 1000 mm
- FE247800** Outside Diameter: **20.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 17mm, Temper: Annealed, Length: 100 mm to 1000 mm



Powder

- FE246020** Max. Particle size: **45micron**
- FE246010** Max. Particle size: **150micron**



Sphere

- FE246805** Diameter: **0.5mm**
- FE246810** Diameter: **1.0mm**
- FE246820** Diameter: **2.0mm**
- FE246825** Diameter: **2.5mm**
- FE246830** Diameter: **3.0mm**
- FE246840** Diameter: **4mm**
- FE246850** Diameter: **5mm**
- FE246860** Diameter: **6mm**
- FE246880** Diameter: **10mm**
- FE246890** Diameter: **25mm**

Alloys

Stainless Steel - AISI 316L (Fe/Cr18/Ni10/Mo 3)



Foil

- FF210230** Thickness: **0.025mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FF210240** Thickness: **0.03mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 250x300 mm
- FF210250** Thickness: **0.05mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FF210275** Thickness: **0.075mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FF210280** Thickness: **0.1mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FF210301** Thickness: **0.15mm**, Temper: Annealed, Condition: Flattened, Size: 100x100 mm to 300x500 mm
- FF210321** Thickness: **0.2mm**, Temper: Annealed, Coil width 12 mm Length : 0.5 m to 10 m
- FF210320** Thickness: **0.2mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FF210330** Thickness: **0.25mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FF210340** Thickness: **0.38mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FF210351** Thickness: **0.5mm**, Temper: Annealed, Condition: Polished on both sides, Size: 50x50 mm to 300x500 mm
- FF210352** Thickness: **0.5mm**, Temper: Annealed, Condition: Flattened, Size: 250x300 mm to 300x500 mm
- FF210350** Thickness: **0.5mm**, Temper: Annealed, Size: 150x150 mm to 300x300 mm
- FF210375** Thickness: **0.9mm**, Temper: Annealed, Condition: Mirror polished on one side, Size: 90x210 mm to 200x200 mm
- FF210376** Thickness: **0.9mm**, Temper: Annealed, Condition: Mirror polished on both sides, Size: 100x100 mm
- FF210400** Thickness: **2.0mm**, Temper: Annealed, Size: 150x150 mm to 300x300 mm
- FF210401** Thickness: **2.0mm**, Temper: Annealed, Condition: Mirror polished on both sides, Size: 100x100 mm



Wire

- FF215105** Diameter: **0.025mm**, Temper: Annealed
- FF215110** Diameter: **0.10mm**, Temper: Hard
- FF215120** Diameter: **0.20mm**, Temper: As drawn
- FF215125** Diameter: **0.25mm**, Temper: As drawn
- FF215310** Diameter: **0.3mm**, Condition: Straight wire, Temper: Annealed
- FF215130** Diameter: **0.3mm**, Temper: As drawn
- FF215135** Diameter: **0.4mm**, Temper: As drawn
- FF215313** Diameter: **0.5mm**, Condition: Straight wire, Temper: Annealed
- FF215140** Diameter: **0.5mm**, Temper: As drawn
- FF215145** Diameter: **0.6mm**, Temper: As drawn

- FF215148** Diameter: **0.7mm**, Temper: As drawn
- FF215152** Diameter: **0.8mm**, Temper: As drawn
- FF215156** Diameter: **0.9mm**, Temper: As drawn
- FF215317** Diameter: **1.0mm**, Condition: Straight wire, Temper: Annealed
- FF215160** Diameter: **1.0mm**, Temper: As drawn
- FF215320** Diameter: **1.5mm**, Condition: Straight wire, Temper: Annealed
- FF215330** Diameter: **2.0mm**, Condition: Straight wire, Temper: Annealed



Rod

- FF217905** Diameter: **3.175mm**, Length: 100 mm to 1000 mm
- FF217910** Diameter: **6.0mm**, Length: 100 mm to 1000 mm
- FF217915** Diameter: **8.0mm**, Length: 100 mm to 1000 mm
- FF217920** Diameter: **12.7mm**, Length: 100 mm to 1000 mm
- FF217922** Diameter: **16mm**, Length: 100 mm to 1000 mm
- FF217925** Diameter: **20mm**, Length: 100 mm to 1000 mm
- FF217930** Diameter: **25.4mm**, Length: 100 mm to 1000 mm
- FF217935** Diameter: **38.1mm**, Length: 100 mm to 1000 mm
- FF217940** Diameter: **50.8mm**, Length: 50 mm to 500 mm



Tube

- FF217201** Outside Diameter: **1.65mm**, Wall Thickness: 0.225mm, Inside Diameter: 1.2mm, Temper: Hard, Length: 100 mm
- FF217200** Outside Diameter: **1.65mm**, Wall Thickness: 0.13mm, Inside Diameter: 1.39mm, Temper: Hard, Length: 100 mm
- FF217400** Outside Diameter: **4.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 3mm, Temper: Annealed, Length: 100 mm to 1000 mm



Powder

- FF216030** Mean Particle size: **3micron**, Condition: Atomized

Stainless Steel - AISI 321 (Fe/Cr18/Ni 9/Ti)



Foil

- FE210210** Thickness: **0.0125mm**, Temper: Hard, Coil width 220 mm, Size: 25x25 mm to 150x150 mm
- FE210211** Thickness: **0.0125mm**, Temper: Annealed, Coil width 310 mm, Size: 300x300 mm
- FE210220** Thickness: **0.015mm**, Temper: As rolled, Coil width 150 mm, Size: 150x150 mm
- FE210247** Thickness: **0.025mm**, Temper: Half hard, Coil width 175 mm, Size: 25x25 mm to 175x300 mm
- FE210244** Thickness: **0.025mm**, Temper: Hard, Coil width 220 mm, Size: 25x25 mm to 150x150 mm
- FE210246** Thickness: **0.025mm**, Temper: Annealed, Size: 25x25 mm to 300x300 mm
- FE210250** Thickness: **0.05mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE210260** Thickness: **0.075mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE210280** Thickness: **0.1mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

Alloys

FE210300 Thickness: **0.125mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE210305 Thickness: **0.15mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE210310 Thickness: **0.2mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE210320 Thickness: **0.25mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE210340 Thickness: **0.5mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE210350 Thickness: **0.914mm**, Temper: Annealed, Size: 50x50 mm to 900x900 mm

FE210380 Thickness: **2.0mm**, Temper: Annealed, Size: 150x150 mm to 300x300 mm

FE210400 Thickness: **3.0mm**, Temper: Annealed, Size: 150x150 mm to 300x300 mm



Rod

FE217930 Diameter: **12.7mm**, Length: 100 mm to 1000 mm

FE217940 Diameter: **25.4mm**, Length: 100 mm to 500 mm



Tube

FE217160 Outside Diameter: **1.60mm**, Wall Thickness: 0.55mm, Inside Diameter: 0.5mm, Temper: Hard, Length: 100 mm to 1000 mm

FE217610 Outside Diameter: **10.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 7mm, Temper: Annealed, Length: 100 mm to 1000 mm

Stainless Steel - AISI 347 (Fe/Cr18/Ni10/Nb)



Foil

FE230220 Thickness: **0.1mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE230230 Thickness: **0.2mm**, Temper: Annealed, Size: 25x25 mm to 150x150 mm

FE230240 Thickness: **0.25mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm



Powder

FE236010 Max. Particle size: **45micron**, Condition: Atomized

Stainless Steel - AISI 410 (Fe/Cr12.5)



Wire

FE265160 Diameter: **1mm**, Temper: As drawn



Rod

FE267920 Diameter: **9.5mm**, Length: 100 mm to 1000 mm



Powder

FE266020 Max. Particle size: **45micron**, Condition: Atomized

Stainless Steel - AISI 420 (Fe86.7/Cr13.0/C 0.3)



Sheet

FK113100 Thickness: **1.5mm**, Size: 150x150 mm to 300x300 mm



Wire

FK115160 Diameter: **1.0mm**, Temper: As drawn



Rod

FK117920 Diameter: **9.5mm**, Length: 100 mm to 1000 mm

Stainless Steel AISI 430 (Fe81/Cr17/Mn/Si/C/S/P)



Foil

FF230280 Thickness: **0.15mm**, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

FF230330 Thickness: **0.70mm**, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm



Rod

FF237920 Diameter: **12.7mm**, Length: 100 mm to 1000 mm

Gallium/Indium/Tin (Ga62/In22/Sn16)



Lump

GA066100 Max. Lump size: **100mm**, Condition: Liquid at RTP

Gallium/Indium/Tin (Ga68.5/In21.5/Sn10)



Lump

GA056100 Max. Lump size: **100mm**, Condition: Liquid at RTP

Gallium/Indium (Ga75.5/In24.5)



Lump

GA046100 Max. Lump size: **10mm**, Condition: Liquid at RTP

Mercury/Indium Amalgam (Hg29/In71)



Lump

HG016100 Max. Lump size: **20mm**, Condition: Amalgam

Indium/Tin (In50/Sn50)



Foil

IN080200 Thickness: **0.05mm**, Tolerance: 25%, Size: 25x25 mm to 100x100 mm

IN080230 Thickness: **0.1mm**, Size: 25x25 mm to 100x100 mm

IN080250 Thickness: **0.25mm**, Size: 25x25 mm to 100x100 mm

Alloys

Indium/Tin (In90/Sn10)



Sheet

IN023200 Thickness: **2.0mm**, Size: 50x50 mm to 100x100 mm

IN023300 Thickness: **3.0mm**, Size: 50x50 mm to 100x100 mm



Sputtering Target

IN029200 Thickness: **2.0mm**, Size: 50.8 mm to 76.2 mm

IN029300 Thickness: **3.0mm**, Size: 50.8 mm to 76.2 mm



Rod

IN027920 Diameter: **5.0mm**, Length: 50 mm to 500 mm

Indium/Tin (In95/Sn 5)



Sheet

IN103300 Thickness: **3mm**, Size: 50x50 mm to 100x100 mm



Sputtering Target

IN109300 Thickness: **3mm**, Size: 50 mm to 75 mm

Indium/Silver (In97/Ag 3)



Foil

IN130300 Thickness: **0.3mm**, Size: 30x30 mm to 120x120 mm

Magnesium Alloy AZ61A (Mg93/Al 6/Zn 1)



Rod

MG097940 Diameter: **25mm**, Length: 100 mm to 500 mm

Magnesium/Aluminum/Zinc (Mg96/Al 3/Zn 1)



Foil

MG010250 Thickness: **0.25mm**, Size: 100x100 mm to 200x500 mm

MG010350 Thickness: **1.0mm**, Size: 100x100 mm to 200x500 mm

MG010400 Thickness: **2.0mm**, Size: 100x100 mm to 200x500 mm



Rod

MG017910 Diameter: **3mm**, Temper: As drawn, Length: 490 mm to 980 mm

MG017930 Diameter: **10mm**, Temper: As drawn, Length: 100 mm to 1000 mm

MG017940 Diameter: **22mm**, Temper: As drawn, Length: 100 mm to 900 mm

MG017950 Diameter: **25mm**, Temper: As drawn, Length: 100 mm to 1000 mm

Manganese/Nickel (Mn70/Ni30)



Powder

MN106010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Manganese/Nickel (Mn88/Ni12)



Foil

MN010200 Thickness: **0.0125mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MN010205 Thickness: **0.02mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MN010210 Thickness: **0.025mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MN010215 Thickness: **0.038mm**, Temper: As rolled, Size: 50x50 mm

MN010220 Thickness: **0.050mm**, Temper: As rolled, Size: 50x50 mm to 100x100 mm

MN010230 Thickness: **0.125mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MN010260 Thickness: **0.25mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm



Powder

MN016010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Molybdenum/Rhenium (Mo52.5/Re47.5)



Foil

MO070210 Thickness: **0.050mm**, Temper: Annealed, Size: 25x25 mm to 50x50 mm

MO070240 Thickness: **0.125mm**, Temper: Annealed, Size: 25x25 mm to 100x100 mm



Wire

MO075125 Diameter: **0.125mm**, Temper: As drawn

MO075140 Diameter: **0.25mm**, Temper: As drawn

MO075160 Diameter: **0.5mm**, Temper: As drawn



Tube

MO077200 Outside Diameter: **2mm**, Wall Thickness: 0.5mm, Inside Diameter: 1mm, Temper: As drawn, Length: 50 mm to 169 mm

MO077201 Outside Diameter: **2mm**, Wall Thickness: 0.4mm, Inside Diameter: 1.2mm, Temper: As drawn, Length: 50 mm to 500 mm

Molybdenum/Titanium (Mo80/Ti20)



Powder

MO046010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

MO046020 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Molybdenum/Titanium (Mo90/Ti10)



Powder

MO056010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Molybdenum High Temperature Alloy TZM (Mo99/Ti 0.5/Zr 0.1)



Foil

MO010250 Thickness: **0.125mm**, Temper: As rolled, Size: 20x30 mm to 90x120 mm

Alloys

MO010270 Thickness: **0.25mm**, Temper: As rolled, Size: 50x50 mm to 300x300 mm

MO010380 Thickness: **0.52mm**, Temper: As rolled, Size: 25x25 mm to 150x150 mm

MO010400 Thickness: **1.0mm**, Temper: As rolled, Size: 25x25 mm to 150x150 mm

MO010450 Thickness: **3.0mm**, Temper: As rolled, Size: 50x50 mm to 150x150 mm



Sheet

MO013200 Thickness: **5.0mm**, Size: 100x100 mm

MO013300 Thickness: **10.0mm**, Size: 100x100 mm



Rod

MO017910 Diameter: **5.0mm**, Length: 50 mm to 1000 mm

MO017920 Diameter: **10.0mm**, Length: 50 mm to 1000 mm

MO017930 Diameter: **20.0mm**, Length: 50 mm to 200 mm

Superconducting Composite Wire (Nb/Ti + Cu)



Wire

NB015100 Diameter: **0.4mm**

NB015150 Diameter: **0.4mm**

NB015250 Diameter: **0.4mm**

Niobium/Titanium (Nb52/Ti48)



Wire

NB045130 Diameter: **0.25mm**, Temper: Annealed

Niobium/Titanium (Nb56/Ti44)



Powder

NB026010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

NB026020 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Niobium/Tin (Nb75/Sn25 (Atomic %))



Powder

NB076010 Max. Particle size: **250micron**

Niobium/Zirconium (Nb99/Zr 1)



Wire

NB035160 Diameter: **0.25mm**, Temper: As drawn



Tube

NB037100 Outside Diameter: **1.76mm**, Wall Thickness: 0.25mm, Inside Diameter: 1.26mm, Length: 100 mm to 500 mm

NB037350 Outside Diameter: **3.95mm**, Wall Thickness: 0.35mm, Inside Diameter: 3.25mm, Temper: Stress relieved, Length: 100 mm to 1000 mm

Neodymium/Iron/Boron (Nd₂Fe₁₄B)



Sheet

ND013020 Thickness: **2mm**, Condition: Rare earth magnet, Coating: Parylene, Size: 5x5 mm

ND013050 Thickness: **5mm**, Condition: Rare earth magnet, Coating: Uncoated, Size: 15x15 mm



Sputtering Target

ND019100 Thickness: **1mm**, Condition: Non-magnetised, Coating: Uncoated, Size: 25 mm to 50 mm

ND019300 Thickness: **3.0mm**, Condition: Non-magnetised, Coating: Uncoated, Size: 25 mm to 50 mm



Rod

ND017910 Diameter: **6.35 mm**, Condition: Rare earth magnet, Coating: Parylene, Length: 2 mm

ND017915 Diameter: **6.35 mm**, Condition: Rare earth magnet, Coating: Uncoated, Length: 15 mm

ND017920 Diameter: **10mm**, Condition: Rare earth magnet, Coating: Parylene, Length: 3 mm

ND017930 Diameter: **15mm**, Condition: Rare earth magnet, Coating: Uncoated, Length: 3 mm

Incoloy® alloy 800 - Heat Resisting Alloy (Ni32.5/Cr21/Fe)

INCOLOY® alloy 800



Rod

NI127930 Diameter: **10mm**, Temper: Annealed, Length: 100 mm to 500 mm



Tube

NI127400 Outside Diameter: **9.5mm**, Wall Thickness: 0.7mm, Inside Diameter: 8.1mm, Temper: Annealed, Length: 100 mm to 1000 mm

Alloy 825 (Ni39.5/Fe32/Cr22/Mo 3/Cu 2/Ti)



Rod

NL067920 Diameter: **12mm**, Temper: Annealed, Length: 100 mm to 1000 mm

Hastelloy X® (Ni49.5/Cr22/Fe18/Mo 9/Co 1/W)



Wire

NE075110 Diameter: **0.25mm**, Temper: Annealed

NE075120 Diameter: **0.50mm**, Temper: Annealed

NE075130 Diameter: **0.8mm**, Temper: Annealed

NE075140 Diameter: **1.0mm**, Temper: Annealed



Rod

NE077920 Diameter: **9.5mm**, Length: 100 mm to 500 mm

Magnetic Shape Memory Alloy (Ni50/Mn28/Ga22)



Bar

MA018010 Side Length: **1mm**, Side Length (of longer side): 2.5mm, Condition: Shape-Memory Alloy, Length: 20 mm

MA018015 Side Length: **1mm**, Side Length (of longer side): 5mm, Condition: Shape-Memory Alloy, Length: 20 mm

MA018020 Side Length: **2mm**, Side Length (of longer side): 5mm, Condition: Shape-Memory Alloy, Length: 20 mm

Alloys

Nickel/Iron (Ni52/Fe48)



Tube

NI197450 Outside Diameter: **4.5mm**, Wall Thickness: 0.07mm, Inside Diameter: 4.36mm, Length: 200 mm to 1000 mm

NI197651 Outside Diameter: **6.5mm**, Wall Thickness: 0.07mm, Inside Diameter: 6.36mm, Length: 200 mm to 1000 mm

Nimonic® alloy 90 (Ni53/Cr20/Co18/Ti 2.5/Al 1.5/Fe 1.5)

Nimonic 90®



Rod

NJ107940 Diameter: **12.7mm**, Length: 100 mm to 500 mm

NJ107945 Diameter: **20mm**, Length: 100 mm to 500 mm

NJ107950 Diameter: **22mm**, Length: 100 mm to 500 mm

Inconel® alloy 718 - Heat Resisting Alloy (Ni53/Fe19/Cr19/Nb/Mo/Ti)

INCONEL® alloy 718



Foil

NI130250 Thickness: **0.1mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

NI130300 Thickness: **0.25mm**, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm

NI130350 Thickness: **0.5mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

NI130450 Thickness: **1.0mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

NI130480 Thickness: **2.0mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

NI130520 Thickness: **5.0mm**, Temper: Annealed, Size: 75x75 mm to 150x150 mm



Wire

NI135140 Diameter: **0.5mm**, Temper: Annealed

NI135150 Diameter: **1.0mm**, Temper: Annealed

NI135155 Diameter: **1.2mm**, Temper: Annealed



Rod

NI137910 Diameter: **6.35mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI137925 Diameter: **12.7mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI137930 Diameter: **16mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI137935 Diameter: **19mm**, Temper: Annealed, Length: 100 mm to 500 mm

Nitinol (Ni55/Ti45)



Wire

NI205101 Diameter: **0.8 mm**, Condition: Shape-Memory Alloy



Tube

NI207050 Outside Diameter: **0.33mm**, Wall Thickness: 0.045mm, Inside Diameter: 0.24mm, Condition: Shape-Memory Alloy, Length: 100 mm to 1000 mm

NI207080 Outside Diameter: **0.8mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.6mm, Condition: Shape-Memory Alloy, Length: 100 mm to 1000 mm

NI207130 Outside Diameter: **1.27mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.97mm, Condition: Shape-Memory Alloy, Length: 100 mm to 1000 mm

NI207180 Outside Diameter: **1.8mm**, Wall Thickness: 0.125mm, Inside Diameter: 1.55mm, Condition: Shape-Memory Alloy, Length: 100 mm to 1000 mm

Inconel® 617 alloy (Ni57/Cr22/Co12/Mo 9)



Rod

NE067920 Diameter: **19mm**, Temper: Annealed, Length: 100 mm to 500 mm

Hastelloy C276® - Heat Resisting Alloy (Ni57/Mo17/Cr16/Fe/W/Mn)

Hastelloy C®



Foil

NI140225 Thickness: **0.025mm**, Temper: As rolled, Coil width 190 mm, Size: 25x25 mm to 150x150 mm

NI140271 Thickness: **0.075mm**, Temper: Hard, Coil width 200 mm, Size: 25x25 mm to 150x150 mm

NI140270 Thickness: **0.075mm**, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 300x300 mm

NI140300 Thickness: **0.15mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

NI140550 Thickness: **1.2mm**, Size: 50x50 mm to 300x300 mm



Wire

NI145120 Diameter: **0.1mm**, Temper: Hard

NI145150 Diameter: **0.5mm**, Temper: Hard

NI145160 Diameter: **1.0mm**, Temper: Hard



Rod

NI147940 Diameter: **16mm**, Length: 50 mm to 500 mm

NI147950 Diameter: **25mm**, Length: 50 mm to 200 mm



Tube

NI147100 Outside Diameter: **3.2mm**, Wall Thickness: 0.9mm, Inside Diameter: 1.4mm, Length: 100 mm to 1000 mm

NI147200 Outside Diameter: **6.35mm**, Wall Thickness: 0.9mm, Inside Diameter: 4.55mm, Length: 100 mm to 1000 mm

NI147300 Outside Diameter: **9.5mm**, Wall Thickness: 0.9mm, Inside Diameter: 7.7mm, Length: 100 mm to 1000 mm

Waspaloy® - Heat Resisting Alloy (Ni58/Cr19/Co14/Mo/Ti/Al/Fe)



Foil

NI150250 Thickness: **0.025mm**, Temper: As rolled, Size: 25x25 mm to 150x150 mm

NI150300 Thickness: **0.25mm**, Temper: Annealed, Coil width 210 mm, Size: 25x25 mm to 150x150 mm

Alloys

NI150450 Thickness: **1mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm

Nickel/Aluminum (Ni59/Al41)



Powder

NI216010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Nickel/Titanium (Ni60/Ti40)



Powder

NJ076010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Inconel 625® - Corrosion Resistant Alloy (Ni61/Cr22/Mo 9/Fe 5)



Foil

NI040210 Thickness: **0.025mm**, Temper: Annealed, Coil width 292 mm, Size: 70x70 mm to 280x280 mm

NI040230 Thickness: **0.10mm**, Temper: Annealed, Coil width 279 mm, Size: 65x65 mm to 279x279 mm

NI040240 Thickness: **0.2mm**, Temper: Annealed, Coil width 300 mm, Size: 50x50 mm to 300x300 mm



Sheet

NI043050 Thickness: **2.0mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

NI043100 Thickness: **5mm**, Size: 100x100 mm



Wire

NI045150 Diameter: **0.5mm**, Temper: Annealed



Rod

NI047910 Diameter: **12.0mm**, Temper: Annealed, Length: 50 mm to 500 mm

NI047920 Diameter: **25mm**, Temper: Annealed, Length: 50 mm to 200 mm

Haynes® 230® alloy (Ni62/Cr22/W 14/Mo 2)



Rod

NE057920 Diameter: **12.7mm**, Temper: Annealed, Length: 100 mm to 500 mm

Hastelloy B® - Corrosion Resistant Alloy (Ni62/Mo28/Fe 5/Cr/Mn/Si)



Foil

NI010250 Thickness: **0.010mm**, Size: 25x25 mm to 100x100 mm

Nickel/Silicon (Ni62/Si38)



Powder

NJ056011 Max. Particle size: **150micron**, Condition: Atomized

Monel® alloy K-500 (Ni63/Cu30/Al3/Fe2/Mn1.5/Ti0.5)



Sheet

NE043050 Thickness: **3.5mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

Monel® alloy 400 (Ni65/Cu33/Fe 2)

MONEL® alloy 400



Foil

NI110250 Thickness: **0.025mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

NI110251 Thickness: **0.030mm**, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm

NI110300 Thickness: **0.05mm**, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm

NI110320 Thickness: **0.075mm**, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm

NI110350 Thickness: **0.12mm**, Temper: Annealed, Size: 25x25 mm to 150x300 mm

NI110352 Thickness: **0.125mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

NI110355 Thickness: **0.2mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

NI110450 Thickness: **0.5mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

NI110550 Thickness: **2.0mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm



Mesh

NI118710 Nominal Aperture: **0.38mm**, Wire diameter: 0.25mm, Wires/inch: 40x40, Open area: 37%, Type: Plain weave mesh, Size: 100x100 mm to 300x300 mm



Wire

NI115110 Diameter: **0.125mm**, Temper: As drawn

NI115120 Diameter: **0.25mm**, Temper: As drawn

NI115130 Diameter: **0.5mm**, Temper: As drawn

NI115140 Diameter: **1.0mm**, Temper: As drawn

NI115325 Diameter: **1.0mm**, Temper: Annealed, Condition: Straight wire



Rod

NI117905 Diameter: **3.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI117910 Diameter: **6.35mm**, Temper: As drawn, Length: 100 mm to 1000 mm

NI117920 Diameter: **12.7mm**, Temper: As drawn, Length: 100 mm to 1000 mm

NI117931 Diameter: **20mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI117960 Diameter: **40mm**, Temper: Annealed, Length: 50 mm to 200 mm



Tube

NI117105 Outside Diameter: **0.5mm**, Wall Thickness: 0.146mm, Inside Diameter: 0.208mm, Temper: As drawn, Length: 100 mm to 1000 mm

NI117100 Outside Diameter: **0.6mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.4mm, Temper: As drawn, Length: 100 mm to 1000 mm

Alloys

- NI117150** Outside Diameter: **0.8mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.6mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117200** Outside Diameter: **1.27mm**, Wall Thickness: 0.25mm, Inside Diameter: 0.77mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117250** Outside Diameter: **1.5mm**, Wall Thickness: 0.25mm, Inside Diameter: 1mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117300** Outside Diameter: **1.9mm**, Wall Thickness: 0.275mm, Inside Diameter: 1.35mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117320** Outside Diameter: **2.0mm**, Wall Thickness: 0.175mm, Inside Diameter: 1.65mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117350** Outside Diameter: **2.2mm**, Wall Thickness: 0.35mm, Inside Diameter: 1.5mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117400** Outside Diameter: **2.5mm**, Wall Thickness: 0.18mm, Inside Diameter: 2.14mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117410** Outside Diameter: **2.57mm**, Wall Thickness: 0.15mm, Inside Diameter: 2.27mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117450** Outside Diameter: **2.8mm**, Wall Thickness: 0.35mm, Inside Diameter: 2.1mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117600** Outside Diameter: **6.35mm**, Wall Thickness: 1.5mm, Inside Diameter: 3.35mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117620** Outside Diameter: **7.1mm**, Wall Thickness: 0.27mm, Inside Diameter: 6.56mm, Temper: Hard, Length: 100 mm to 1000 mm
- NI117700** Outside Diameter: **19.0mm**, Wall Thickness: 1.22mm, Inside Diameter: 16.56mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117800** Outside Diameter: **42.2mm**, Wall Thickness: 2.77mm, Inside Diameter: 36.66mm, Length: 100 mm to 500 mm

Hastelloy B-3® (Ni65/Mo28.5/Cr 1.5/Fe 1.5/(Co + Mn + W) 3.5max)



Wire

NK255150 Diameter: **0.5mm**, Temper: Annealed



Rod

NK257910 Diameter: **5.5mm**, Temper: Annealed, Length: 100 mm to 1000 mm

Hastelloy B-2® (Ni68/Mo28/Fe 2/Cr 1/Co 1)



Rod

NK247920 Diameter: **16mm**, Temper: Annealed, Length: 50 mm to 200 mm

Nickel/Copper (Ni70/Cu30)



Powder

NI076011 Max. Particle size: **150micron**, Purity: 98%, Condition: Atomized

Nickel/Iron (Ni70/Fe30)



Wire

NJ125130 Diameter: **0.03mm**, Temper: Annealed



Insulated Wire

NJ125825 Conductor diameter: **0.025mm**, Insulation thickness: 0.0035mm, Insulation: Polyimide

Nickel/Titanium (Ni70/Ti30)



Powder

NJ066011 Max. Particle size: **150micron**

Nickel/Zirconium (Ni70/Zr30)



Powder

NJ096010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Inconel® alloy 600 - Heat Resisting Alloy (Ni72/Cr16/Fe 8)

INCONEL® alloy 600



Foil

NI020203 Thickness: **0.0125mm**, Temper: Annealed, Coil width 306 mm, Size: 150x150 mm to 300x300 mm

NI020201 Thickness: **0.025mm**, Temper: Hard, Size: 25x25 mm to 50x50 mm

NI020202 Thickness: **0.025mm**, Temper: Annealed, Coil width 305 mm, Size: 150x150 mm to 300x300 mm

NI020204 Thickness: **0.05mm**, Temper: Annealed, Coil width 305 mm, Size: 150x150 mm to 300x300 mm

NI020200 Thickness: **0.075mm**, Temper: Annealed, Coil width 289 mm, Size: 25x25 mm to 280x280 mm

NI020205 Thickness: **0.1mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 290x300 mm

NI020210 Thickness: **0.2mm**, Temper: Annealed, Coil width 285 mm, Size: 25x25 mm to 285x300 mm

NI020401 Thickness: **0.5mm**, Surface treatment: Titanium Nitride coating 2-3 microns, Size: 25x25 mm to 100x100 mm

NI020400 Thickness: **0.5mm**, Temper: Annealed, Coil width 300 mm, Size: 50x50 mm to 150x150 mm

NI020450 Thickness: **0.6mm**, Temper: Annealed, Size: 25x25 mm to 100x100 mm

NI020520 Thickness: **1.0mm**, Temper: Annealed, Size: 25x25 mm to 300x300 mm

NI020550 Thickness: **2.0mm**, Temper: Annealed, Size: 25x25 mm to 300x300 mm

NI020560 Thickness: **3.0mm**, Temper: Annealed, Size: 50x50 mm to 200x200 mm

NI020575 Thickness: **5.0mm**, Size: 150x150 mm

NI020600 Thickness: **8.0mm**, Size: 150x150 mm

NI020650 Thickness: **12mm**, Size: 100x100 mm to 210x210 mm



Wire

NI025100 Diameter: **0.05mm**, Temper: Hard

NI025125 Diameter: **0.20mm**, Temper: Hard

Alloys

NI025130 Diameter: **0.25mm**, Temper: Hard

NI025133 Diameter: **0.30mm**, Temper: Hard

NI025136 Diameter: **0.40mm**, Temper: Hard

NI025140 Diameter: **0.5mm**, Temper: Hard

NI025143 Diameter: **0.60mm**, Temper: Hard

NI025150 Diameter: **1.0mm**, Temper: Hard



Rod

NI027902 Diameter: **2.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI027905 Diameter: **3.2mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI027910 Diameter: **6.35mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI027920 Diameter: **12.7mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI027930 Diameter: **20.0mm**, Temper: Annealed, Length: 50 mm to 1000 mm

NI027940 Diameter: **40mm**, Temper: Annealed, Length: 50 mm to 200 mm



Tube

NI027100 Outside Diameter: **1.0mm**, Wall Thickness: 0.3mm, Inside Diameter: 0.4mm, Temper: As drawn, Length: 100 mm to 1000 mm

NI027130 Outside Diameter: **1.33mm**, Wall Thickness: 0.25mm, Inside Diameter: 0.83mm, Length: 100 mm to 498 mm

NI027150 Outside Diameter: **1.5mm**, Wall Thickness: 0.25mm, Inside Diameter: 1mm, Length: 100 mm to 1000 mm

NI027200 Outside Diameter: **1.96mm**, Wall Thickness: 0.37mm, Inside Diameter: 1.22mm, Length: 100 mm to 1000 mm

NI027350 Outside Diameter: **6.15mm**, Wall Thickness: 0.5mm, Inside Diameter: 5.15mm, Temper: Annealed, Length: 100 mm to 1000 mm

NI027400 Outside Diameter: **7.5mm**, Wall Thickness: 0.7mm, Inside Diameter: 6.1mm, Temper: Annealed, Length: 100 mm to 980 mm

NI027410 Outside Diameter: **7.8mm**, Wall Thickness: 0.65mm, Inside Diameter: 6.5mm, Temper: Annealed, Length: 35 mm

NI027450 Outside Diameter: **9.5mm**, Wall Thickness: 1.7mm, Inside Diameter: 6.1mm, Temper: Annealed, Length: 100 mm to 1000 mm

NI027500 Outside Diameter: **12.7mm**, Wall Thickness: 1.63mm, Inside Diameter: 9.44mm, Temper: Annealed, Length: 100 mm to 1000 mm

NI027600 Outside Diameter: **19.0mm**, Wall Thickness: 3.25mm, Inside Diameter: 12.5mm, Temper: Annealed, Length: 100 mm to 1000 mm

NI027660 Outside Diameter: **25.4mm**, Wall Thickness: 3.25mm, Inside Diameter: 18.9mm, Temper: Annealed, Length: 100 mm to 1000 mm

Inconel X750® - Heat Resisting Alloy (Ni74/Cr15/Fe 7/Ti/Al/Nb)

INCONEL X®



Foil

NI160220 Thickness: **0.028mm**, Temper: As rolled, Coil width 229 mm, Size: 25x25 mm to 200x200 mm

NI160250 Thickness: **0.075mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

NI160251 Thickness: **0.075mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

NI160270 Thickness: **0.25mm**, Temper: Annealed, Coil width 300 mm, Size: 50x50 mm to 300x300 mm

NI160500 Thickness: **1.0mm**, Temper: Annealed, Size: 50x50 mm to 150x150 mm

NI160550 Thickness: **1.25mm**, Temper: Annealed, Size: 50x50 mm to 150x150 mm



Wire

NI165120 Diameter: **0.25mm**, Temper: Annealed

NI165130 Diameter: **0.5mm**, Temper: Annealed

NI165140 Diameter: **1.0mm**, Temper: Annealed

Evanohm® - Precision Resistance Alloy (Ni75/Cr20/Al 2.5/Cu 2.5)



Foil

NI170250 Thickness: **0.02mm**, Temper: Annealed, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

NI170275 Thickness: **0.025mm**, Temper: Annealed, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

Nickel/Manganese (Ni75/Mn25)



Powder

NI256045 Max. Particle size: **45micron**, Condition: Atomized

NI256010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Magnetic Shielding Alloy (Ni77/Fe14/Cu 5/Mo 4)

Permalloy C®



Foil

NI030200 Thickness: **0.0027mm**, Size: 25x25 mm to 50x100 mm

NI030230 Thickness: **0.0125mm**, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

NI030240 Thickness: **0.025mm**, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

NI030250 Thickness: **0.05mm**, Coil width 150 mm, Size: 25x25 mm to 150x300 mm

NI030271 Thickness: **0.125mm**, Temper: Annealed, Coil width 150 mm, Size: 50x50 mm to 150x150 mm

NI030275 Thickness: **0.15mm**, Temper: Annealed, Coil width 200 mm, Size: 50x50 mm to 200x200 mm

NI030290 Thickness: **0.25mm**, Temper: Annealed, Coil width 150 mm, Size: 50x50 mm to 150x150 mm



Rod

NI037910 Diameter: **6.35mm**, Length: 100 mm to 1000 mm

NI037920 Diameter: **12.0mm**, Length: 100 mm to 1000 mm

NI037960 Diameter: **76.2mm**, Length: 10 mm to 25 mm



Tube

NI037300 Outside Diameter: **4.5mm**, Wall Thickness: 0.07mm, Inside Diameter: 4.36mm, Temper: As drawn, Length: 650 mm

Alloys

NI037301 Outside Diameter: **4.5mm**, Wall Thickness: 0.07mm, Inside Diameter: 4.36mm, Temper: As drawn, Length: 12.7 mm

NI037450 Outside Diameter: **8.175mm**, Wall Thickness: 0.07mm, Inside Diameter: 8.035mm, Temper: As drawn, Length: 795 mm



Powder

NI036010 Max. Particle size: **45micron**

Nickel/Aluminum (Ni79/Al21)



Powder

NI226010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Nickel/Chromium (Ni80/Cr20)

Nichrome V[®], Tophet A[®]



Microfoil

NI054700 Thinness: **0.5μm**, Specific density: 420 μg.cm⁻², Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm



Foil

NI050200 Thickness: **0.005mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

NI050220 Thickness: **0.025mm**, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 150x150 mm

NI050231 Thickness: **0.075mm**, Temper: Annealed, Coil width 2 mm Length : 1 m to 20 m

NI050235 Thickness: **0.10mm**, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

NI050240 Thickness: **0.125mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x300 mm

NI050270 Thickness: **0.18mm**, Temper: As rolled, Coil width 185 mm, Size: 25x25 mm to 150x150 mm

NI050274 Thickness: **0.20mm**, Temper: Annealed, Coil width 1 mm Length : 1 m to 20 m

NI050280 Thickness: **0.25mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

NI050300 Thickness: **0.4mm**, Temper: As rolled, Coil width 100 mm, Size: 50x50 mm to 100x100 mm

NI050311 Thickness: **0.50mm**, Temper: As drawn, Coil width 2.5 mm Length : 1 m to 20 m

NI050310 Thickness: **0.50mm**, Temper: Annealed, Coil width 2.5 mm Length : 1 m to 20 m

NI050320 Thickness: **0.50mm**, Temper: As rolled, Coil width 230 mm, Size: 25x25 mm to 200x200 mm



Sheet

NI053150 Thickness: **1.0mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

NI053200 Thickness: **1.6mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

NI053250 Thickness: **3.0mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

NI053400 Thickness: **6.35mm**, Temper: Annealed, Size: 100x100 mm



Sputtering Target

NI059300 Thickness: **3.0mm**, Size: 50 mm to 75 mm



Wire

NI055100 Diameter: **0.01mm**, Temper: As drawn

NI055101 Diameter: **0.0125mm**, Temper: As drawn

NI055102 Diameter: **0.015mm**, Temper: As drawn

NI055105 Diameter: **0.020mm**, Temper: As drawn

NI055110 Diameter: **0.025mm**, Temper: Hard

NI055114 Diameter: **0.04mm**, Temper: Annealed

NI055115 Diameter: **0.05mm**, Temper: Hard

NI055120 Diameter: **0.125mm**, Temper: Hard

NI055130 Diameter: **0.25mm**, Temper: Hard

NI055131 Diameter: **0.25mm**, Temper: Annealed

NI055140 Diameter: **0.5mm**, Temper: Hard

NI055141 Diameter: **0.5mm**, Temper: Annealed

NI055145 Diameter: **0.75mm**, Temper: Annealed

NI055150 Diameter: **1.0mm**, Temper: Hard

NI055160 Diameter: **2.0mm**, Temper: Hard



Insulated Wire

NI055820 Conductor diameter: **0.0125mm**, Insulation thickness: 0.003mm, Insulation: Polyimide

NI055850 Conductor diameter: **0.025mm**, Insulation thickness: 0.004mm, Insulation: Epoxy

NI055840 Conductor diameter: **0.025mm**, Insulation thickness: 0.004mm, Insulation: Polyimide

NI055880 Conductor diameter: **0.125mm**, Insulation thickness: 0.008mm, Insulation: Polyimide

NI055890 Conductor diameter: **0.25mm**, Insulation thickness: 0.025mm, Insulation: Polyimide



Rod

NI057910 Diameter: **3.0mm**, Length: 100 mm to 1000 mm

NI057920 Diameter: **6.3mm**, Length: 100 mm to 1000 mm

NI057930 Diameter: **9.0mm**, Length: 100 mm to 1000 mm

NI057950 Diameter: **12.0mm**, Length: 100 mm to 1000 mm

NI057960 Diameter: **19.0mm**, Length: 100 mm to 1000 mm



Tube

NI057050 Outside Diameter: **0.56mm**, Wall Thickness: 0.025mm, Inside Diameter: 0.51mm, Length: 100 mm to 1000 mm

NI057130 Outside Diameter: **1.3mm**, Wall Thickness: 0.25mm, Inside Diameter: 0.8mm, Length: 100 mm to 1000 mm

NI057250 Outside Diameter: **2.5mm**, Wall Thickness: 0.25mm, Inside Diameter: 2.0mm, Length: 100 mm to 1000 mm

NI057301 Outside Diameter: **3.0mm**, Wall Thickness: 0.25mm, Inside Diameter: 2.5mm, Length: 100 mm to 1000 mm



Powder

NI056020 Max. Particle size: **75micron**



Lump

NI056100 Max. Lump size: **10mm**, Condition: Pellets

High Permeability Magnetic Alloy (Ni80/Fe15/Mo 5)



Foil

NI180210 Thickness: **0.0075mm**, Size: 25x25 mm to 100x100 mm

NI180220 Thickness: **0.012mm**, Size: 25x25 mm to 100x100 mm

Alloys

Nickel/Iron/Molybdenum (Ni80/Fe15.5/Mo 4.5)



Foil

NJ270350 Thickness: **0.5mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm

NJ270400 Thickness: **1.0mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm

NJ270500 Thickness: **2.0mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm

NJ270600 Thickness: **3.5mm**, Temper: Annealed, Size: 76x76 mm to 150x150 mm



Sheet

NJ273200 Thickness: **15mm**, Size: 108x108 mm



Wire

NJ275140 Diameter: **0.5mm**, Temper: As drawn



Rod

NJ277910 Diameter: **3.2mm**, Temper: As drawn, Length: 100 mm to 1000 mm

NJ277920 Diameter: **5.0mm**, Temper: As drawn, Length: 100 mm to 1000 mm

NJ277950 Diameter: **25mm**, Temper: Annealed, Length: 50 mm to 200 mm



Tube

NJ277600 Outside Diameter: **15mm**, Wall Thickness: 0.4mm, Inside Diameter: 14.2mm, Temper: As drawn, Length: 100 mm to 1000 mm



Lump

NJ276100 Max. Lump size: **10mm**, Condition: Pellets

Nickel/Iron (Ni80/Fe20)



Foil

NI290400 Thickness: **1.0mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

NI290450 Thickness: **3.0mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

NI299300 Thickness: **3mm**, Size: 50.8 mm



Wire

NI295130 Diameter: **0.25mm**, Temper: As drawn

NI295140 Diameter: **0.5mm**, Temper: As drawn

NI295150 Diameter: **1.0mm**, Temper: As drawn



Rod

NI297910 Diameter: **2.0mm**, Temper: As drawn, Length: 100 mm to 1000 mm



Lump

NI296100 Max. Lump size: **5mm**

NI296101 Max. Lump size: **5mm**, Condition: Pellets

Nickel/Molybdenum (Ni80/Mo20)



Powder

NJ026010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Nickel/Iron (Ni81/Fe19)



Powder

NJ016020 Max. Particle size: **45micron**, Condition: Atomized

Nickel/Molybdenum (Ni84/Mo16)



Powder

NJ046010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Nickel/Boron (Ni85/B 15)



Powder

NI266011 Max. Particle size: **150micron**

NI266010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

T1 - Thermocouple Alloy (Ni90/Cr10)

Chromel® (Hoskins Manufacturing Company)



Microfoil

NI094850 Thinness: **1µm**, Specific density: 850 µg.cm⁻², Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

NI090260 Thickness: **0.25mm**, Temper: Annealed, Coil width 100 mm Length : 0.1 m to 2 m

NI090280 Thickness: **0.50mm**, Temper: Annealed, Coil width 100 mm Length : 0.1 m to 1 m

NI090300 Thickness: **0.60mm**, Temper: Annealed, Coil width 38 mm Length : 0.2 m to 5 m



Sputtering Target

NI099300 Thickness: **3.0mm**, Size: 50.8 mm



Wire

NI095105 Diameter: **0.0075mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

NI095110 Diameter: **0.025mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

NI095120 Diameter: **0.05mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

NI095130 Diameter: **0.125mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

NI095140 Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

NI095150 Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

NI095160 Diameter: **1.0mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

Alloys



Insulated Wire

- NI095810** Conductor diameter: **0.025mm**, Insulation thickness: 0.002mm, Insulation: Polyester, Thermocouple wire: May be used as one component of a Thermocouple
- NI095815** Conductor diameter: **0.025mm**, Insulation thickness: 0.004mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple
- NI095820** Conductor diameter: **0.05mm**, Insulation thickness: 0.002mm, Insulation: Polyester, Thermocouple wire: May be used as one component of a Thermocouple
- NI095825** Conductor diameter: **0.05mm**, Insulation thickness: 0.003mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple
- NI095821** Conductor diameter: **0.05mm**, Insulation thickness: 0.005mm, Insulation: Polyurethane, Thermocouple wire: May be used as one component of a Thermocouple
- NI095830** Conductor diameter: **0.08mm**, Insulation thickness: 0.007mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple
- NI095845** Conductor diameter: **0.125mm**, Insulation thickness: 0.008mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple
- NI095840** Conductor diameter: **0.125mm**, Insulation thickness: 0.015mm, Insulation: Polyester
- NI095850** Conductor diameter: **0.25mm**, Insulation thickness: 0.018mm, Insulation: Polyester, Thermocouple wire: May be used as one component of a Thermocouple
- NI095855** Conductor diameter: **0.25mm**, Insulation thickness: 0.04mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple



Rod

- NI097905** Diameter: **2.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm
- NI097920** Diameter: **6mm**, Temper: As drawn, Length: 100 mm to 1000 mm
- NI097925** Diameter: **9mm**, Temper: As drawn, Length: 100 mm to 1000 mm
- NI097930** Diameter: **12mm**, Temper: As drawn, Length: 100 mm to 1000 mm

Nickel/Titanium (Ni90/Ti10)



Powder

- NJ086010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Nickel/Manganese (Ni92/Mn 8)



Powder

- NI246010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Nickel/Vanadium (Ni93/V 7)



Sputtering Target

- NK209300** Thickness: **3.0mm**, Size: 25.4 mm to 76.2 mm



Lump

- NK206100** Max. Lump size: **10mm**, Condition: Pellets

T2 - Thermocouple Alloy (Ni95/(Al + Mn + Si) 5)

Alumel® (Hoskins Manufacturing Company)



Foil

- NI100260** Thickness: **0.25mm**, Temper: Annealed, Coil width 100 mm Length : 0.1 m to 2 m
- NI100280** Thickness: **0.50mm**, Temper: Annealed, Coil width 100 mm Length : 0.1 m to 1 m
- NI100300** Thickness: **0.6mm**, Temper: Annealed, Coil width 38 mm Length : 0.2 m to 5 m



Sputtering Target

- NI109300** Thickness: **3.0mm**, Size: 50.8 mm



Wire

- NI105105** Diameter: **0.0075mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- NI105110** Diameter: **0.025mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- NI105120** Diameter: **0.05mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- NI105130** Diameter: **0.125mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- NI105140** Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- NI105150** Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- NI105160** Diameter: **1.0mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple



Insulated Wire

- NI105810** Conductor diameter: **0.025mm**, Insulation thickness: 0.002mm, Insulation: Polyester, Thermocouple wire: May be used as one component of a Thermocouple
- NI105815** Conductor diameter: **0.025mm**, Insulation thickness: 0.004mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple
- NI105820** Conductor diameter: **0.05mm**, Insulation thickness: 0.002mm, Insulation: Polyester, Thermocouple wire: May be used as one component of a Thermocouple

Alloys

NI105825 Conductor diameter: **0.05mm**, Insulation thickness: 0.003mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple

NI105830 Conductor diameter: **0.08mm**, Insulation thickness: 0.007mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple

NI105840 Conductor diameter: **0.125mm**, Insulation thickness: 0.004mm, Insulation: Polyester, Thermocouple wire: May be used as one component of a Thermocouple

NI105845 Conductor diameter: **0.125mm**, Insulation thickness: 0.008mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple

NI105850 Conductor diameter: **0.25mm**, Insulation thickness: 0.004mm, Insulation: Polyester, Thermocouple wire: May be used as one component of a Thermocouple

NI105855 Conductor diameter: **0.25mm**, Insulation thickness: 0.04mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple



Rod

NI107905 Diameter: **2.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI107920 Diameter: **6mm**, Temper: As drawn, Length: 100 mm to 1000 mm

NI107925 Diameter: **9mm**, Temper: As drawn, Length: 100 mm to 1000 mm

NI107930 Diameter: **12mm**, Temper: As drawn, Length: 100 mm to 1000 mm

Nickel/Beryllium/Titanium (Ni97.5/Be 1.95/Ti 0.5)



Foil

NI080200 Thickness: **0.01mm**, Coil width 75 mm, Size: 25x25 mm to 50x50 mm

NI080250 Thickness: **0.2mm**, Coil width 100 mm, Size: 50x50 mm to 100x100 mm

Lead/Tin (Pb75/Sn25)



Wire

PB035138 Diameter: **0.9mm**, Temper: As drawn

PB035140 Diameter: **1mm**, Temper: As drawn

Antimonial Lead (Pb95/Sb 5)



Powder

PB126010 Max. Particle size: **250micron**, Min. Particle size: 150micron

Antimonial Lead (Pb96/Sb 4)



Foil

PB020300 Thickness: **0.1mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

Lead/Selenium (Pb99/Se 1)



Granule

PB106300 Nominal Granule Size: **5mm**, Condition: Alloy Pre-cursor

Palladium/Copper (Pd60/Cu40)



Foil

PD120220 Thickness: **0.025mm**, Size: 25x25 mm to 50x50 mm

PD120300 Thickness: **0.5mm**, Size: 25x25 mm to 50x50 mm

Palladium/Silver (Pd70/Ag30)



Foil

PD070240 Thickness: **0.15mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm



Wire

PD075160 Diameter: **1mm**, Temper: As drawn

Palladium/Silver (Pd75/Ag25)



Foil

PD030350 Thickness: **0.25mm**, Size: 25x25 mm to 100x100 mm



Tube

PD037200 Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.8mm, Temper: As drawn, Length: 100 mm to 500 mm

PD037400 Outside Diameter: **4.7mm**, Wall Thickness: 0.25mm, Inside Diameter: 4.2mm, Temper: As drawn, Length: 50 mm to 200 mm

PD037500 Outside Diameter: **6.25mm**, Wall Thickness: 0.1mm, Inside Diameter: 6.05mm, Temper: As drawn, Length: 50 mm to 200 mm

Palladium/Silver (Pd77/Ag23)



Foil

PD270250 Thickness: **0.125mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PD270300 Thickness: **0.25mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

Palladium/Chromium (Pd94/Cr 6)



Foil

PJ010240 Thickness: **0.08mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

Platinum/Rhodium (Pt60/Rh40)



Wire

PT285130 Diameter: **0.125mm**

PT285140 Diameter: **0.25mm**

PT285150 Diameter: **0.5mm**

PT285160 Diameter: **1.0mm**

Platinum/Iridium (Pt70/Ir30)



Foil

PT050250 Thickness: **0.125mm**, Size: 25x25 mm to 100x100 mm

Alloys



Wire

- PT055120** Diameter: **0.05mm**, Temper: Annealed
PT055140 Diameter: **0.25mm**, Temper: As drawn
PT055150 Diameter: **0.5mm**, Temper: As drawn
PT055160 Diameter: **1.0mm**, Temper: As drawn

Platinum/Rhodium (Pt70/Rh30)



Wire

- PT065110** Diameter: **0.10mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT065120 Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT065130 Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

Platinum/Iridium (Pt75/Ir25)



Wire

- PT235120** Diameter: **0.05mm**, Temper: Annealed
PT235150 Diameter: **0.1mm**, Condition: Clad with 0.1mm thickness Platinum, Condition: Weight is for the 0.1mm diameter Pt75/Ir25 core only



Rod

- PT237930** Diameter: **2.9mm**, Temper: As drawn, Length: 25 mm to 50 mm

Platinum/Iridium (Pt80/Ir20)



Foil

- PT040225** Thickness: **0.01mm**, Size: 25x25 mm to 100x100 mm
PT040230 Thickness: **0.0125mm**, Size: 25x25 mm to 100x100 mm
PT040240 Thickness: **0.025mm**, Size: 25x25 mm to 100x100 mm
PT040250 Thickness: **0.05mm**, Size: 25x25 mm to 100x100 mm
PT040300 Thickness: **0.25mm**, Size: 25x25 mm to 50x50 mm
PT040400 Thickness: **2.0mm**, Size: 25x25 mm to 50x50 mm



Wire

- PT045105** Diameter: **0.015mm**, Temper: Stress relieved
PT045110 Diameter: **0.1mm**, Temper: As drawn
PT045120 Diameter: **0.25mm**, Temper: As drawn
PT045128 Diameter: **0.34mm**, Temper: Annealed
PT045130 Diameter: **0.38mm**, Temper: As drawn
PT045140 Diameter: **0.50mm**, Temper: As drawn
PT045150 Diameter: **1.0mm**, Temper: As drawn

Platinum/Rhodium (Pt83/Rh17)



Wire

- PT265150** Diameter: **0.5mm**, Temper: As drawn

Platinum/Rhodium (Pt87/Rh13)



Wire

- PT035050** Diameter: **0.015mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT035100 Diameter: **0.025mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT035150 Diameter: **0.05mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT035200 Diameter: **0.125mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT035250 Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT035300 Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
PT035350 Diameter: **1.0mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

Platinum/Iridium (Pt90/Ir10)



Foil

- PT020231** Thickness: **0.025mm**, Temper: As rolled, Ribbon width 0.38 mm Length : 0.1 m to 1 m
PT020230 Thickness: **0.025mm**, Temper: As rolled, Coil width 2.5 mm Length : 0.1 m to 1 m
PT020235 Thickness: **0.025mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm
PT020240 Thickness: **0.05mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT020245 Thickness: **0.10mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT020250 Thickness: **0.125mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT020260 Thickness: **0.25mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT020300 Thickness: **1.0mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm
PT020350 Thickness: **2.0mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Wire

- PT025050** Diameter: **0.005mm**, Temper: As drawn
PT025098 Diameter: **0.015mm**, Temper: As drawn
PT025100 Diameter: **0.025mm**, Temper: As drawn
PT025103 Diameter: **0.03mm**, Temper: As drawn
PT025110 Diameter: **0.05mm**, Temper: As drawn
PT025115 Diameter: **0.075mm**, Temper: As drawn
PT025120 Diameter: **0.1mm**, Temper: As drawn
PT025130 Diameter: **0.125mm**, Temper: As drawn
PT025135 Diameter: **0.15mm**, Temper: As drawn
PT025140 Diameter: **0.25mm**, Temper: As drawn

Alloys

PT025145 Diameter: **0.38mm**, Temper: As drawn

PT025150 Diameter: **0.5mm**, Temper: As drawn

PT025160 Diameter: **1.0mm**, Temper: As drawn



Insulated Wire

PT025825 Conductor diameter: **0.025mm**, Insulation thickness: 0.005mm, Insulation: Teflon

PT025820 Conductor diameter: **0.025mm**, Insulation thickness: 0.008mm, Insulation: Polyester

PT025835 Conductor diameter: **0.05mm**, Insulation thickness: 0.009mm, Insulation: Teflon

PT025830 Conductor diameter: **0.05mm**, Insulation thickness: 0.023mm, Insulation: Polyester



Rod

PT027910 Diameter: **2.0mm**, Temper: As drawn, Length: 25 mm to 100 mm



Tube

PT027100 Outside Diameter: **0.48mm**, Wall Thickness: 0.16mm, Inside Diameter: 0.16mm, Temper: As drawn, Length: 50 mm to 200 mm

PT027200 Outside Diameter: **0.56mm**, Wall Thickness: 0.13mm, Inside Diameter: 0.30mm, Temper: As drawn, Length: 50 mm to 200 mm

Platinum/Rhodium (Pt90/Rh10)



Foil

PT010250 Thickness: **0.125mm**, Size: 25x25 mm to 100x100 mm



Wire

PT015105 Diameter: **0.005mm**, Condition: Wollaston wire, Thermocouple wire: May be used as one component of a Thermocouple

PT015110 Diameter: **0.025mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT015120 Diameter: **0.05mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT015130 Diameter: **0.125mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT015135 Diameter: **0.20mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT015140 Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT015145 Diameter: **0.30mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT015150 Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT015160 Diameter: **1.0mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple



Rod

PT017920 Diameter: **7.0mm**, Temper: As drawn, Length: 9 mm to 50 mm



Tube

PT017200 Outside Diameter: **2.0mm**, Wall Thickness: 0.4mm, Inside Diameter: 1.2mm, Temper: As drawn, Length: 50 mm to 100 mm

Platinum/Tungsten (Pt92/W 8)



Wire

PT105120 Diameter: **0.025mm**, Temper: As drawn

PT105125 Diameter: **0.05mm**, Temper: As drawn

PT105150 Diameter: **0.5mm**, Temper: As drawn



Insulated Wire

PT105825 Conductor diameter: **0.025mm**, Insulation thickness: 0.007mm, Insulation: Polyimide

Platinum/Rhodium (Pt94/Rh 6)



Wire

PT075120 Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

Silicon/Germanium (Si70/Ge30)



Lump

SI056100 Max. Lump size: **50mm**

Tin/Lead (Sn50/Pb50)



Lump

SN076100 Max. Lump size: **100mm**

Tin/Lead/Antimony (Sn60/Pb39/Sb 1)



Foil

SN010200 Thickness: **0.006mm**, Size: 50x50 mm to 300x300 mm

SN010300 Thickness: **0.10mm**, Coil width 90 mm, Size: 20x25 mm to 90x200 mm

Tin/Lead (Sn60/Pb40)



Wire

SN255150 Diameter: **1mm**, Temper: As drawn

Tin/Antimony (Sn95/Sb 5)



Powder

SA056020 Max. Particle size: **250micron**

Tin/Silver (Sn96/Ag 4)



Wire

SN175120 Diameter: **0.27mm**, Temper: As drawn

SN175170 Diameter: **1.5mm**, Temper: As drawn

Tantalum/Tungsten (Ta90/W 10)



Foil

TA030470 Thickness: **0.25mm**, Size: 50x50 mm to 100x100 mm

Alloys

**Rod****TA037905** Diameter: **1.5mm**, Temper: Annealed, Length: 100 mm to 1000 mm**TA037920** Diameter: **5.0mm**, Temper: Annealed, Length: 50 mm to 500 mm**TA037930** Diameter: **8.0mm**, Temper: Annealed, Length: 50 mm to 500 mm**TA037935** Diameter: **10.0mm**, Temper: Annealed, Length: 50 mm to 200 mm**Tantalum/Tungsten (Ta97.5/W 2.5)****Foil****TA070300** Thickness: **0.4mm**, Temper: As drawn, Coil width 20 mm Length : 0.1 m to 2 m**Rod****TA077910** Diameter: **2.5mm**, Temper: As drawn, Length: 100 mm to 1000 mm**Titanium/Iron (Ti50/Fe50)****Powder****TI176010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor**Titanium/Aluminum (Ti65/Al35)****Powder****TI066010** Max. Particle size: **75micron**, Condition: Alloy Pre-cursor**Titanium/Vanadium/Chromium/Aluminum (Ti69/V 15/Cr13/Al 3)****Foil****TJ110350** Thickness: **0.038mm**, Temper: Annealed, Size: 25x25 mm to 100x100 mm**Titanium Bronze (Ti75/Cu25)****Powder****TI136010** Max. Particle size: **45micron**, Condition: Alloy Pre-cursor**Titanium Alloy Beta 3 (Ti77.5/Mo12/Zr 6/Sn 4.5)****Foil****TI050400** Thickness: **0.42mm**, Temper: Annealed, Condition: Precipitation hardenable, Coil width 150 mm, Size: 25x25 mm to 150x150 mm**Titanium/Aluminum (Ti78/Al22)****Powder****TI106010** Max. Particle size: **75micron**, Condition: Alloy Pre-cursor**Titanium/Molybdenum/Niobium/Aluminum/Silicon (Ti78.8/Mo15/Nb 3/Al 3/Si 0.2)****Foil****TJ140250** Thickness: **0.5mm**, Temper: As rolled, Size: 50x50 mm to 100x100 mm**Titanium/Chromium (Ti80/Cr20)****Powder****TI146010** Max. Particle size: **75micron**, Condition: Alloy Pre-cursor**Titanium/Molybdenum (Ti84/Mo16)****Powder****TI186010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor**Titanium/Aluminum (Ti88/Al12)****Powder****TI096010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor**Titanium/Aluminum/Vanadium (Ti90/Al 6/V 4)****Foil****TI010250** Thickness: **0.043mm**, Temper: As rolled, Size: 50x50 mm**TI010300** Thickness: **0.1mm**, Temper: Annealed, Tolerance: 25%, Size: 50x50 mm to 300x300 mm**TI010400** Thickness: **0.25mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm**TI010420** Thickness: **0.30mm**, Temper: Annealed, Tolerance: 20%, Size: 25x25 mm**TI010450** Thickness: **0.52mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm**TI010460** Thickness: **0.6mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm**TI010470** Thickness: **0.7mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm**TI010500** Thickness: **1.0mm**, Temper: Annealed, Size: 25x25 mm to 150x150 mm**TI010550** Thickness: **2.0mm**, Temper: Annealed, Size: 100x100 mm to 150x150 mm**TI010560** Thickness: **3mm**, Temper: Annealed, Size: 150x150 mm**TI010575** Thickness: **5mm**, Temper: Annealed, Size: 150x150 mm**TI010580** Thickness: **7mm**, Temper: Annealed, Size: 100x100 mm to 300x300 mm**Wire****TI015150** Diameter: **0.10mm**, Temper: Annealed**TI015250** Diameter: **0.25mm**, Temper: As drawn**TI015260** Diameter: **0.5mm**, Temper: Annealed**TI015280** Diameter: **1.0mm**, Temper: Annealed**Rod****TI017905** Diameter: **2.0mm**, Temper: Annealed, Length: 200 mm**TI017910** Diameter: **5.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm**TI017915** Diameter: **7.0mm**, Length: 100 mm to 1000 mm**TI017925** Diameter: **10.0mm**, Length: 50 mm to 1000 mm**TI017930** Diameter: **12.7mm**, Length: 100 mm to 1000 mm**TI017940** Diameter: **16.0mm**, Length: 100 mm to 500 mm

Alloys

- TI017960** Diameter: **25.0mm**, Length: 50 mm to 200 mm
TI017965 Diameter: **30.0mm**, Length: 50 mm to 200 mm
TI017970 Diameter: **35.0mm**, Length: 50 mm to 200 mm
TI017980 Diameter: **50mm**, Length: 50 mm to 300 mm
TI017990 Diameter: **101.6mm**, Length: 67 mm to 150 mm



Powder

- TI016021** Max. Particle size: **45micron**, Condition: Spherical powder
TI016010 Max. Particle size: **450micron**, Condition: Spherical powder



Sphere

- TI016830** Diameter: **3mm**
TI016860 Diameter: **6mm**

Titanium/Vanadium (Ti90/V 10)



Powder

- TI256010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Titanium/Gallium (Ti92/Ga 8)



Lump

- TJ206100** Max. Lump size: **25mm**

Titanium/Silicon (Ti92/Si 8)



Powder

- TI216010** Max. Particle size: **425micron**, Min. Particle size: 150micron, Condition: Alloy Pre-cursor

Titanium/Aluminum/Vanadium (Ti94.5/Al 3/V 2.5)



Foil

- TI040300** Thickness: **0.030mm**, Temper: Annealed, Coil width 150 mm, Size: 50x50 mm to 150x150 mm

Titanium/Palladium (Ti99.85/Pd 0.15)



Foil

- TI260400** Thickness: **0.45mm**, Size: 100x100 mm to 300x300 mm

Vanadium/Chromium (V 75/Cr25)



Powder

- V 026010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Tungsten/Cobalt (W 50/Co50)



Powder

- W 036010** Max. Particle size: **75micron**, Condition: Alloy Pre-cursor

Tungsten/Copper (W 60/Cu40)



Foil

- W 180210** Thickness: **0.125mm**, Size: 25x25 mm to 25x200 mm
W 180250 Thickness: **0.25mm**, Size: 25x25 mm to 75x200 mm

- W 180300** Thickness: **0.50mm**, Size: 25x75 mm to 75x200 mm

- W 180400** Thickness: **1.0mm**, Size: 25x75 mm to 75x200 mm



Wire

- W 185120** Diameter: **0.5mm**, Condition: Straight wire

- W 185140** Diameter: **1.0mm**, Condition: Straight wire



Tube

- W 187100** Outside Diameter: **0.5mm**, Wall Thickness: 0.13mm, Inside Diameter: 0.24mm, Length: 175 mm

- W 187300** Outside Diameter: **3.15mm**, Wall Thickness: 1.15mm, Inside Diameter: 0.85mm, Length: 80 mm to 175 mm

Tungsten/Nickel/Iron (W 70/Ni 20/Fe 10)



Lump

- W 276100** Max. Lump size: **3mm**

Tungsten/Copper (W 72/Cu28)

Copelmet®



Sheet

- W 113100** Thickness: **3.15mm**, Size: 25x25 mm to 50x200 mm



Rod

- W 117915** Diameter: **3.5mm**, Length: 100 mm to 200 mm

- W 117920** Diameter: **6.25mm**, Length: 100 mm to 200 mm

- W 117925** Diameter: **8.0mm**, Length: 100 mm to 200 mm

- W 117930** Diameter: **12.7mm**, Length: 115 mm to 200 mm

- W 117935** Diameter: **16.0mm**, Length: 100 mm to 200 mm

- W 117940** Diameter: **25mm**, Length: 100 mm to 200 mm



Bar

- W 118100** Side Length: **25mm**, Side Length (of longer side): 25mm, Length: 50 mm to 200 mm

Tungsten/Rhenium (W 74/Re26)



Wire

- W 125120** Diameter: **0.125mm**, Temper: Annealed

Tungsten/Rhenium (W 75/Re25)



Wire

- W 015050** Diameter: **0.025mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

- W 015075** Diameter: **0.05mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

- W 015100** Diameter: **0.075mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

- W 015110** Diameter: **0.1mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

Alloys

- W 015120** Diameter: **0.125mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- W 015125** Diameter: **0.178mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- W 015130** Diameter: **0.2mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- W 015135** Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- W 015138** Diameter: **0.35mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- W 015140** Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- W 015145** Diameter: **0.75mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- W 015150** Diameter: **1.0mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

Tungsten/Copper (W 80/Cu20)



Foil

W 160450 Thickness: **3.0mm**, Size: 100x100 mm



Rod

W 167910 Diameter: **6mm**, Length: 100 mm to 200 mm

W 167920 Diameter: **12mm**, Length: 100 mm to 200 mm

W 167940 Diameter: **25mm**, Length: 100 mm to 200 mm



Tube

W 167100 Outside Diameter: **0.5mm**, Wall Thickness: 0.13mm, Inside Diameter: 0.24mm, Length: 180 mm

Tungsten/Silver (W 90/Ag10)



Powder

W 076010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Tungsten/Chromium (W 90/Cr10)



Powder

W 066010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Tungsten/Nickel/Iron (W 95/Ni 3.5/Fe 1.5)



Rod

W 257940 Diameter: **25mm**, Length: 105 mm

Tungsten/Rhenium (W 95/Re 5)



Wire

W 025100 Diameter: **0.1mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 025120 Diameter: **0.125mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 025250 Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 025350 Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 025365 Diameter: **0.65mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 025370 Diameter: **0.7mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

Tungsten/Titanium (W 95/Ti 5)



Powder

W 086010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Tungsten/Rhenium (W 97/Re 3)



Foil

W 040250 Thickness: **0.05mm**, Temper: Annealed, Ribbon width 0.5 mm Length : 0.2 m to 5 m



Wire

W 045090 Diameter: **0.01mm**, Temper: As drawn, Thermocouple wire: May be used as one component of a Thermocouple

W 045100 Diameter: **0.02mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 045120 Diameter: **0.025mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 045150 Diameter: **0.05mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 045170 Diameter: **0.125mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 045180 Diameter: **0.15mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 045200 Diameter: **0.2mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

Alloys

W 045250 Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 045300 Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 045350 Diameter: **1.0mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

Thoriated Tungsten (W 98/Th 2)



Sheet

W 133200 Thickness: **5.0mm**, Temper: As rolled, Size: 16x26 mm to 65x65 mm



Rod

W 137920 Diameter: **6.35mm**, Length: 100 mm to 1000 mm

W 137940 Diameter: **12.7mm**, Length: 50 mm to 200 mm

Thoriated Tungsten (W 99/Th 1)



Wire

W 145300 Diameter: **0.125mm**, Temper: Annealed

W 145350 Diameter: **0.15mm**, Temper: Annealed

W 145370 Diameter: **0.2mm**, Temper: Annealed

W 145400 Diameter: **0.25mm**, Temper: Annealed

W 145440 Diameter: **0.38mm**, Temper: Annealed

W 145450 Diameter: **0.5mm**, Temper: Annealed

W 145475 Diameter: **0.75mm**, Temper: Annealed

W 145500 Diameter: **1mm**, Temper: Annealed

Thoriated Tungsten (W 99.4/Th 0.6)



Wire

W 055140 Diameter: **0.013mm**, Temper: Annealed

W 055150 Diameter: **0.025mm**, Temper: Annealed

W 055200 Diameter: **0.05mm**, Temper: Annealed

W 055250 Diameter: **0.1mm**, Temper: Annealed

W 055475 Diameter: **0.75mm**, Temper: Annealed

W 055500 Diameter: **1.0mm**, Temper: Annealed

Zinc/Aluminum (Zn50/Al50)



Powder

ZN016010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Zinc/Nickel (Zn90/Ni10)



Powder

ZN036010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Zinc/Copper (Zn95/Cu 5)



Powder

ZN026011 Max. Particle size: **150micron**

ZN026010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Zirconium/Vanadium (Zr56.5/V 43.5)



Powder

ZR086010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Zirconium/Nickel (Zr70/Ni30)



Powder

ZR046010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Zirconium/Aluminum (Zr90/Al10)



Powder

ZR016010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Compounds

Aluminum Borosilicide (AlBSi)



Powder

AL546010 Max. Particle size: 150micron

Aluminum Carbide (Al₄C₃)



Powder

AL516010 Max. Particle size: 45micron, Purity: 98.0%

Aluminum Nitride (AlN)



Powder

AL526020 Max. Particle size: 50micron

Antimony Telluride (Sb₂Te₃)



Lump

SB506100 Max. Lump size: 10mm, Purity: 99.99%

Arsenic Telluride (As₂Te₃)



Lump

AS506100 Max. Lump size: 10mm, Purity: 99.999%

Barium Titanate (BaTiO₃)



Powder

BA506010 Max. Particle size: 45micron, Purity: 98.0%

Bismuth Telluride (Bi₂Te₃)



Lump

BI506100 Max. Lump size: 6mm, Purity: 99.999%

Boron Carbide (B₄C)



Powder

B 506010 Max. Particle size: 45micron, Purity: 99%

Boron Nitride (BN)



Powder

B 516011 Max. Particle size: 10micron

Caesium Iodide (CsI)



Sheet

CS533010 Thickness: 2.0 mm, Condition: Polished both sides, Size: 5x10 mm

CS533011 Thickness: 2.0 mm, Condition: Polished both sides, Size: 10x10 mm

Calcium Boride (CaB₆)



Powder

CA526011 Max. Particle size: 45micron, Purity: 95%

CA526010 Max. Particle size: 150micron, Purity: 99%

Calcium Fluoride (CaF₂)



Sheet

CA553200 Thickness: 2.0 mm, Condition: Polished both sides, Size: 10x10 mm

CA553202 Thickness: 5.0 mm, Condition: Polished both sides, Diameter: 24 pcs

CA553205 Thickness: 10 mm, Condition: Polished on all sides, Size: 10x10 mm

Calcium Hydride (CaH₂)



Powder

CA506010 Max. Particle size: 400micron, Purity: 94-96%

Calcium Titanate (CaTiO₃)



Powder

CA546010 Max. Particle size: 45micron, Condition: Electronic grade

Cesium Metavanadate (CsVO₃)



Powder

CS516010 Max. Particle size: 45micron, Purity: 99.9%

Cesium Molybdate (Cs₂MoO₄)



Powder

CS506011 Max. Particle size: 75micron, Purity: 99.9%

Chromium Carbide (Cr₃C₂)



Powder

CR516010 Max. Particle size: 45micron, Purity: 99.0%

Chromium Diboride (CrB₂)



Powder

CR506010 Max. Particle size: 45micron, Purity: 99.0%

Chromium Nitride (Cr₂N)



Powder

CR526011 Max. Particle size: 45micron, Purity: 99.0%

Chromium Silicide (CrSi₂)



Powder

CR536020 Max. Particle size: 45micron

Cobalt Boride (Co₂B)



Powder

CO516010 Max. Particle size: 500micron

Columbium Pentoxide (Nb₂O₅)



Powder

NB556010 Max. Particle size: 150micron, Purity: 99.5%

Copper Selenide (CuSe)



Powder

CU516010 Max. Particle size: 45micron, Purity: 99.99%

Copper Telluride (Cu₂Te)



Powder

CU526010 Max. Particle size: 45micron, Purity: 99.99%

Cupric Oxide (CuO)



Powder

CU506010 Max. Particle size: 10micron

Compounds

Gadolinium Oxide (Gd_2O_3)



Powder

GD506010 Max. Particle size: 5micron

Hafnium Carbide (HfC)



Powder

HF516010 Max. Particle size: 45micron, Purity: 99.0%

Hafnium Diboride (HfB_2)



Powder

HF506010 Max. Particle size: 45micron, Purity: 99.0%

Hafnium Hydride (HfH_2)



Powder

HF526010 Max. Particle size: 75micron, Purity: 99.5%

Indium Oxide (In_2O_3)



Sputtering Target

IN529300 Thickness: 3.0mm, Size: 50 mm

Indium Oxide/Tin Oxide (In_2O_3 90 / SnO_2 10)



Sputtering Target

IN519300 Thickness: 3.0mm, Condition: Hot-pressed,
Size: 50 mm to 75 mm

IN519600 Thickness: 6.0mm, Condition: Hot-pressed,
Size: 50.8 mm to 76.2 mm

Iron Boride (FeB)



Powder

FE546010 Max. Particle size: 500micron

Iron Boride (Fe_2B)



Powder

FF506010 Max. Particle size: 500micron

Iron Silicide ($FeSi$)



Powder

FE506020 Max. Particle size: 850micron

Lanthanum Fluoride (LaF_3)



Single Crystal

LA512011 Oriented: **Random**, Diameter: 5mm, Length:
1.5mm, Dopant: Eu

LA512020 Oriented: **Random**, Diameter: 6mm, Length:
5mm, Dopant: Eu

LA512010 Oriented: **Random**, Diameter: 10mm, Length:
1.5mm, Dopant: Eu

Lanthanum Hexaboride (LaB_6)



Powder

LA506010 Max. Particle size: 45micron, Purity: 99.0%

Lanthanum Oxide (La_2O_3)



Powder

LA546010 Max. Particle size: 200micron

Lead Selenide ($PbSe$)



Lump

PB506100 Max. Lump size: 3mm, High Purity: 99.999%

PB506101 Max. Lump size: 3mm, High Purity: 99.999%

Lithium Fluoride (LiF)



Lump

LI516100 Max. Lump size: 6mm, Purity: 99.9%

LI516101 Max. Lump size: 10mm, High Purity: 99.995%



Single Crystal

LI512050 Oriented: (001), Size: 1x5x5 mm

LI512060 Oriented: (001), Size: 2x5x5 mm

LI512051 Oriented: (001), Diameter: 5mm, Length: 1mm

LI512052 Oriented: (111), Diameter: 5mm, Length: 1mm

Magnesium Fluoride (MgF_2)



Lump

MG516100 Max. Lump size: 5mm, Purity: 99.99%

Magnesium Oxide (MgO)



Sputtering Target

MG509300 Thickness: 3.0mm, Size: 25.4 mm to 76.2 mm

MG509600 Thickness: 6.0mm, Size: 50.8 mm to 76.2 mm



Powder

MG506010 Max. Particle size: 1000micron



Single Crystal

MG502020 Oriented: (100), Purity: 99.9%, Size:
10x10x1 mm

MG502025 Oriented: (100), Purity: 99.9%, Size:
10x10x2.1 mm

MG502026 Oriented: (100), Purity: 99.9%, Condition:
EPI polished on 1 side

MG502050 Oriented: (100), Diameter: 10mm, Purity: 99.9%,
Thickness: 0.7mm

Manganese Silicide ($MnSi_2$)



Powder

MN516010 Max. Particle size: 150micron, Purity: 99.0%

Molybdenum Carbide (Mo_2C)



Powder

MO516011 Max. Particle size: 45micron

Molybdenum Diboride (MoB_2)



Powder

MO506011 Max. Particle size: 10micron, Purity: 99.0%

Compounds

Molybdenum Disilicide (MoSi₂)



Sputtering Target

MO539600 Thickness: 6.0mm, Size: 50 mm to 75 mm



Powder

MO536020 Max. Particle size: 18micron, Min. Particle size: 3micron, Purity: 99.5%

MO536010 Max. Particle size: 45micron, Purity: 99.5%

Nickel Oxide (NiO)



Sputtering Target

NI519300 Thickness: 3mm, Condition: Hot-pressed, Size: 25.4 mm to 50.8 mm



Powder

NI516010 Max. Particle size: 45micron, Color: Black

NI516011 Max. Particle size: 45micron, Color: Green

Niobium Boride (NbB₂)



Powder

NB506010 Max. Particle size: 45micron, Purity: 99.0%

Niobium Carbide (NbC)



Powder

NB516010 Max. Particle size: 45micron, Purity: 99.0%

Niobium Nitride (NbN)



Powder

NB546010 Max. Particle size: 150micron, Purity: 99%

Niobium Silicide (NbSi₂)



Powder

NB536010 Max. Particle size: 45micron, Purity: 99.0%

Silicon Carbide (SiC)



Powder

SI516022 Max. Particle size: 0.05micron, Condition: Nanopowder, Phase: Beta

SI516021 Mean Particle size: 0.1-1micron, Phase: Alpha

SI516010 Max. Particle size: 75micron, Purity: 98.7%, Phase: Alpha

Silicon Monoxide (SiO)



Powder

SI546010 Max. Particle size: 45micron

Silicon Nitride (Si₃N₄)



Powder

SI536015 Max. Particle size: 0.02micron, Condition: Nanopowder, Condition: Amorphous

SI536014 Max. Particle size: 0.8micron, Min. Particle size: 0.1micron, Condition: Nanopowder, Phase: Alpha

SI536020 Max. Particle size: 10micron, Condition: Alpha Si₃N₄ (85% minimum)

Silver Chloride (AgCl)



Powder

AG506010 Max. Particle size: 150micron

Sodium Chloride (NaCl)



Single Crystal

NA502100 Oriented: (100), Condition: Polished both sides, Size: 1x20x20 mm

NA502101 Oriented: (100), Condition: Polished both sides

Strontium Titanate (SrTiO₃)



Powder

SR506010 Mean Particle size: 5micron (FSS), Purity: 98.0%



Single Crystal

SR502011 Oriented: (100), Thickness: 1.0mm, Size: 10x10 mm

Tantalum Boride (TaB₂)



Powder

TA516010 Max. Particle size: 45micron, Purity: 99.0%

Tantalum Carbide (TaC)



Powder

TA526010 Max. Particle size: 45micron

Tantalum Silicide (TaSi₂)



Powder

TA566010 Max. Particle size: 45micron, Purity: 99.0%

Tin Oxide (SnO₂)



Sputtering Target

SN509300 Thickness: 3.0mm, Condition: Hot-pressed, Size: 50 mm to 75 mm

Tin Oxide (SnO)



Powder

SN516010 Max. Particle size: 150micron

Titanium Aluminide (TiAl₃)



Powder

TI506011 Max. Particle size: 45micron

Titanium Boride (TiB₂)



Sputtering Target

TI519300 Thickness: 3.0mm, Size: 50 mm

TI519600 Thickness: 6.0mm, Size: 50 mm



Powder

TI516020 Max. Particle size: 45micron, Purity: 99.0%

Titanium Carbide (TiC)



Powder

TI546005 Mean Particle size: <0.1micron, Purity: 99.8 + %, Condition: Nanopowder

Compounds

TI546010 Mean Particle size: **3micron (FSS)**, Purity: 98.5%

TI546020 Max. Particle size: **5micron**, Purity: 99.8 + %

TI546030 Max. Particle size: **150micron**, Min. Particle size: 50micron, Purity: 99.8 + %

Titanium Hydride (TiH₂)



Powder

TI556010 Max. Particle size: **150micron**, Purity: 99.0 + %

Titanium Nitride (TiN)



Sputtering Target

TI569300 Thickness: **3.0mm**, Condition: Hot-pressed, Size: 25.4 mm to 50.8 mm

TI569600 Thickness: **6.0mm**, Condition: Hot-pressed, Size: 50.8 mm to 76.2 mm



Powder

TI566005 Max. Particle size: **0.02micron**, Purity: 99.0%, Condition: Nanopowder

TI566010 Max. Particle size: **45micron**, Purity: 99.0%

Titanium Silicide (TiSi₂)



Powder

TI576010 Max. Particle size: **45micron**, Purity: 99.0%

Titanium Silicocarbide (TiSiC₂ + TiSiC)



Powder

TI586020 Max. Particle size: **90micron**

Tungsten Boride (WB)



Powder

W 506010 Max. Particle size: **45micron**, Purity: 99.0%

Tungsten Carbide (WC)



Powder

W 526011 Max. Particle size: **45micron**, Purity: 99.5%

W 526010 Max. Particle size: **150micron**, Min. Particle size: 45micron, Purity: 99.5%

Tungsten Disulphide (WS₂)



Powder

W 556010 Mean Particle size: **0.1-2micron (FSS)**, Purity: 99.5%

W 556011 Max. Particle size: **10micron**, Purity: 99.5%

Tungsten Ditelluride (WTe₂)



Powder

W 576010 Max. Particle size: **50micron**, Purity: 99.99%

Tungsten Silicide (WSi₂)



Powder

W 546010 Max. Particle size: **45micron**, Purity: 99.0%

Tungsten Titanium Carbide (WTiC₂)



Powder

W 566010 Max. Particle size: **150micron**, Purity: 99.5%, Condition: Crystalline

Tungsten Trioxide (WO₃)



Powder

WA506010 Max. Particle size: **45micron**

Vanadium Carbide (VC)



Powder

V 516010 Max. Particle size: **45micron**, Purity: 99.0%

Vanadium Nitride (VN)



Powder

V 536010 Max. Particle size: **150micron**, Purity: 99.0%

Vanadium Pentoxide (V₂O₅)



Powder

V 566010 Max. Particle size: **400micron**

Vanadium Silicide (VSi₂)



Powder

V 546010 Max. Particle size: **45micron**, Purity: 99.0%

Zinc Arsenide (Zn₃As₂)



Powder

ZN506010 Max. Particle size: **150micron**, Purity: 99%

Zinc Oxide (ZnO)



Sputtering Target

ZN529200 Thickness: **2.5mm**, Size: 15 mm

ZN529300 Thickness: **3.0mm**, Size: 50 mm to 75 mm

ZN529600 Thickness: **6.0mm**, Size: 76.2 mm



Powder

ZN526010 Max. Particle size: **45micron**, High Purity: 99.999%



Single Crystal

ZN522010 Oriented: **Random**, Condition: Ground, Size: 8x8x1 mm

Zinc Selenide (ZnSe)



Powder

ZN516010 Max. Particle size: **45micron**

Zinc Sulphide (ZnS)



Lump

ZN536100 Max. Lump size: **5mm**, Purity: 99.99%

Zirconium Boride (ZrB₂)



Powder

ZR506010 Max. Particle size: **45micron**, Purity: 99.0%

Compounds

Zirconium Carbide (ZrC)



Powder

ZR516010 Max. Particle size: **45micron**, Purity: 99.0%

Zirconium Hydride (ZrH₂)



Powder

ZR526010 Max. Particle size: **150micron**, Purity: 99.5%

Zirconium Nitride (ZrN)



Powder

ZR536010 Max. Particle size: **45micron**, Purity: 99.0%

Intermetallics

Aluminum Nickelide (Al_3Ni)



Powder

AL706010 Max. Particle size: **150micron**

Aluminum Nickelide (Al_3Ni_2)



Powder

AL716010 Max. Particle size: **150micron**

Nickel Aluminide (NiAl)



Powder

NI706010 Max. Particle size: **150micron**

NI706011 Max. Particle size: **150micron**, Mean Particle size: 45micron, Condition: Atomized

Ceramics

Alumina (Al₂O₃)



Sheet

- AL603015** Thickness: **0.15mm**, Purity: 96%, Size: 50x50 mm
- AL603024** Thickness: **0.25mm**, Purity: 96%, Diameter: 25 mm
- AL603025** Thickness: **0.25mm**, Purity: 96%, Size: 25x25 mm
- AL603026** Thickness: **0.25mm**, Purity: 96%, Size: 50x50 mm
- AL603027** Thickness: **0.25mm**, Purity: 96%, Size: 100x100 mm
- AL603050** Thickness: **0.50mm**, Purity: 96%, Size: 25x25 mm
- AL603051** Thickness: **0.50mm**, Purity: 96%, Size: 50x50 mm to 60x60 mm
- AL603052** Thickness: **0.50mm**, Purity: 96%, Size: 100x100 mm
- AL603053** Thickness: **0.50mm**, Purity: 99.0%, Size: 60x60 mm
- AL603064** Thickness: **0.64mm**, Purity: 96%, Size: 114x114 mm
- AL603099** Thickness: **1.0mm**, Purity: 96%, Size: 14x17 mm
- AL603101** Thickness: **1.0mm**, Purity: 96%, Size: 60x60 mm
- AL603102** Thickness: **1.0mm**, Purity: 96%, Size: 100x100 mm
- AL603100** Thickness: **1.0mm**, Purity: 97.5%, Size: 25x25 mm
- AL603110** Thickness: **1.0mm**, Purity: 97.5%, Size: 50x50 mm
- AL603104** Thickness: **1.0mm**, Purity: 99.0%, Size: 60x60 mm
- AL603103** Thickness: **1.0mm**, Purity: 99.0%, Size: 200x200 mm
- AL603200** Thickness: **2.0mm**, Purity: 99.0%, Size: 50x50 mm
- AL603201** Thickness: **2.0mm**, Purity: 99.0%, Size: 2x12 mm
- AL603250** Thickness: **2.5mm**, Purity: 99.0%, Size: 25x25 mm
- AL603251** Thickness: **2.5mm**, Purity: 99.0%, Size: 50x50 mm
- AL603300** Thickness: **3.0mm**, Purity: 99.0%, Size: 25x25 mm
- AL603301** Thickness: **3.0mm**, Purity: 99.0%, Size: 25x50 mm
- AL603401** Thickness: **4.0mm**, Purity: 99.0%, Size: 25x50 mm
- AL603450** Thickness: **5.0mm**, Purity: 99.0%, Size: 25x25 mm to 100x100 mm
- AL603480** Thickness: **10.0mm**, Purity: 99.0%, Size: 50x50 mm
- AL609300** Thickness: **3.15mm**, Purity: 99.5%, Size: 25.4 mm to 100.5 mm
- AL609301** Thickness: **3.15mm**, Purity: 99.99%, Size: 25.4 mm to 76.2 mm
- AL609501** Thickness: **5.0mm**, Purity: 99.5%, Size: 50 mm
- AL609600** Thickness: **6.35mm**, Purity: 99.5%, Size: 50.8 mm to 76.2 mm



Sputtering Target

AL609601 Thickness: **6.35mm**, Purity: 99.99%, Size: 50.8 mm to 76.2 mm



Foam

- AL603820** Thickness: **7mm**, Pores/cm: 26, Porosity: 86%, Size: 50x50 mm to 100x100 mm
- AL603821** Thickness: **12.7mm**, Pores/cm: 26, Porosity: 86%, Size: 100x100 mm
- AL603825** Thickness: **12.7mm**, Pores/cm: 8, Porosity: 84%, Size: 100x100 mm



Fiber

- AL605720** Tex Number: **210**, Filament Diameter: 0.02mm, Number of Filaments: 200, Grade: FP
- AL605725** Tex Number: **250**, Filament Diameter: 0.01mm, Number of Filaments: 1000, Grade: AMX



Rod

- AL607910** Diameter: **1.0mm**, Purity: 99.0%, Length: 100 mm to 500 mm
- AL607915** Diameter: **1.5mm**, Purity: 99.0%, Length: 100 mm to 300 mm
- AL607921** Diameter: **2.0mm**, Purity: 99.0%, Length: 2 mm
- AL607920** Diameter: **2.0mm**, Purity: 99.0%, Length: 150 mm to 450 mm
- AL607950** Diameter: **5.0mm**, Purity: 99.0%, Length: 100 mm to 1000 mm
- AL607960** Diameter: **6.0mm**, Purity: 99.0%, Length: 100 mm to 1000 mm
- AL607975** Diameter: **10.0mm**, Purity: 99.0%, Length: 100 mm to 1000 mm
- AL607978** Diameter: **12.7mm**, Purity: 99.0%, Length: 100 mm to 1000 mm
- AL607990** Diameter: **20.0mm**, Purity: 99.0%, Length: 50 mm to 500 mm



Tube

- AL607022** Outside Diameter: **0.80mm**, Wall Thickness: 0.3mm, Purity: 99.0%, Inside Diameter: 0.2mm, Length: 100 mm to 500 mm
- AL607020** Outside Diameter: **0.80mm**, Wall Thickness: 0.225mm, Purity: 99.0%, Inside Diameter: 0.35mm, Length: 100 mm
- AL607050** Outside Diameter: **2.5mm**, Wall Thickness: 0.68mm, Purity: 99.0%, Inside Diameter: 1.14mm, Length: 150 mm to 450 mm
- AL607080** Outside Diameter: **4.0mm**, Wall Thickness: 1.0mm, Purity: 99.0%, Inside Diameter: 2mm, Length: 150 mm to 450 mm
- AL607090** Outside Diameter: **4.0mm**, Wall Thickness: 0.75mm, Purity: 99.0%, Inside Diameter: 2.5mm, Length: 250 mm
- AL607120** Outside Diameter: **6.0mm**, Wall Thickness: 1.0mm, Purity: 99.0%, Inside Diameter: 4mm, Length: 100 mm to 1000 mm
- AL607160** Outside Diameter: **8.0mm**, Wall Thickness: 1.5mm, Purity: 99.0%, Inside Diameter: 5mm, Length: 100 mm to 1000 mm
- AL607290** Outside Diameter: **15mm**, Wall Thickness: 2.5mm, Purity: 99.0%, Inside Diameter: 10mm, Length: 100 mm to 1000 mm
- AL607350** Outside Diameter: **26mm**, Wall Thickness: 3mm, Purity: 99.0%, Inside Diameter: 20mm, Length: 50 mm to 500 mm

Ceramics



Powder

AL606021 Mean Particle size: **0.02micron**, Condition: Nanopowder, Condition: 99.95% Gamma Alumina powder.

AL606020 Max. Particle size: **0.1micron**, Condition: 99.995% Gamma Alumina powder.

AL606010 Mean Particle size: **45micron**, Purity: 99.9%



Granule

AL606300 Nominal Granule Size: **2mm**, Purity: 99.99%



Sphere

AL606810 Diameter: **0.5mm**, Condition: Polished

AL606815 Diameter: **1.0mm**, Condition: Polished

AL606820 Diameter: **3.0mm**, Condition: Polished

AL606825 Diameter: **5.0mm**, Condition: Polished

AL606860 Diameter: **6.0mm**, Condition: Polished

AL606870 Diameter: **10.0mm**, Condition: Polished

AL606890 Diameter: **18mm**, Condition: Polished

Alumina Silicate (SiO₂ 53/Al₂O₃ 47)



Fiber

AL695710 Tex Number: **2100**, Filament Diameter: 0.002 mm, Tensile support: Inconel wire 0.15mm, Yarn diameter: Approx 2.5mm

Alumina/Silica (Al₂O₃ 80/SiO₂ 20)



Fiber

AJ615720 Tex Number: **205**, Filament Diameter: 0.01mm, Number of Filaments: 960

Alumina/Silica (Al₂O₃ 96/SiO₂ 4 - Saffil®)

Saffil®



Sheet

AL633063 Thickness: **6.3mm**, Size: 50x100 mm to 150x150 mm

AL633100 Thickness: **10mm**, Size: 75x75 mm to 150x150 mm

AL633440 Thickness: **44mm**, Size: 75x75 mm



Non-Woven Fabric

AL633705 Weight.m⁻²: **80g**, Thickness: 0.5mm, Coil width 550 mm, Size: 250x250 mm to 500x500 mm

AL633710 Weight.m⁻²: **160g**, Thickness: 1mm, Coil width 550 mm, Size: 250x250 mm to 500x500 mm

AL633720 Weight.m⁻²: **320g**, Thickness: 2mm, Coil width 550 mm, Size: 100x100 mm to 500x500 mm

AL633730 Weight.m⁻²: **480g**, Thickness: 3mm, Coil width 550 mm, Size: 250x250 mm to 500x500 mm

AL633780 Weight.m⁻²: **1240g**, Thickness: 35mm, Coil width 600 mm, Size: 300x300 mm

AL633790 Weight.m⁻²: **1470g**, Thickness: 45mm, Size: 300x300 mm

Alumina/Silica/Boria

(Al₂O₃ 70/SiO₂ 28/B₂O₃ 2)

Nextel® 440



Fiber

AJ625710 Tex Number: **110**, Filament Diameter: 0.011mm, Number of Filaments: 390, Grade: Nextel 440®

Alumina/Silica/Boria

(Al₂O₃ 62/SiO₂ 24/B₂O₃ 14)

Nextel® 312



Fabric

AL623541 Weight.m⁻²: **400g**, Warp Yarn: 200Tex, Weft Yarn: 200Tex, Weave: Plain, Thickness: 0.41mm, Coil width 25.4 mm Length : 1 m to 5 m



Fiber

AL625710 Tex Number: **100**, Filament Diameter: 0.011mm, Number of Filaments: 390, Grade: Nextel 312®

AL625720 Tex Number: **500**, Grade: Nextel 312®, Thread diameter: 0.7mm nominal

AL625725 Tex Number: **680**, Grade: Nextel 312®, Thread diameter: 0.8mm nominal

Alumino-silicate Glass

(SiO₂ 57/Al₂O₃ 36/CaO/MgO/BaO)



Sheet

SI693060 Thickness: **6 mm**, Condition: Porous Alumino-Silicate, Diameter: 50 mm

SI693100 Thickness: **10 mm**, Condition: Porous Alumino-Silicate, Size: 150x150 mm

SI693150 Thickness: **15 mm**, Condition: Porous Alumino-Silicate, Size: 300x300 mm

SI693200 Thickness: **20 mm**, Condition: Porous Alumino-Silicate, Size: 300x300 mm



Tube

SI697070 Outside Diameter: **1.78mm**, Wall Thickness: 0.34mm, Inside Diameter: 1.1mm, Length: 100 mm to 750 mm

SI697290 Outside Diameter: **29mm**, Wall Thickness: 8mm, Inside Diameter: 13mm, Condition: Porous Alumino-Silicate, Length: 250 mm

SI697380 Outside Diameter: **38mm**, Wall Thickness: 6.5mm, Inside Diameter: 25mm, Condition: Porcelain Mullite, Length: 250 mm

Aluminum Nitride (AlN)



Sheet

AL643010 Thickness: **0.075mm**, Condition: Translucent, Size: 20x20 mm

AL643125 Thickness: **0.125mm**, Condition: Translucent, Polished both sides: Polish : 0.025 - 0.05µm Ra, Size: 25x25 mm

AL643064 Thickness: **0.64mm**, Condition: Translucent, Size: 25x25 mm to 50x50 mm



Powder

AL646005 Max. Particle size: **0.02micron**, Purity: 99.5 + %, Condition: Nanopowder

AL646010 Mean Particle size: **1.4micron (FSS)**, Purity: 99.5 + %

Ceramics

Aluminum Nitride - Machinable (Shapal™-M soft)

Shapal™-M



Sheet

- AK613006** Thickness: **0.6mm**, Size: 50x50 mm
AK613011 Thickness: **1mm**, Diameter: 24 mm
AK613010 Thickness: **1mm**, Size: 50x50 mm to 100x100 mm
AK613030 Thickness: **3mm**, Size: 50x50 mm to 100x100 mm
AK613050 Thickness: **5mm**, Size: 25x25 mm to 100x100 mm
AK613100 Thickness: **10mm**, Size: 25x25 mm to 100x100 mm



Rod

- AK617906** Diameter: **6.0mm**, Length: 50 mm to 100 mm
AK617910 Diameter: **10mm**, Length: 25 mm to 285 mm
AK617920 Diameter: **20mm**, Length: 25 mm to 100 mm

Beryllia (BeO 99.5)



Sheet

- BE603050** Thickness: **0.5mm**, Size: 14.5x14.5 mm to 25x25 mm
BE603051 Thickness: **0.5mm**, Diameter: 23 mm
BE603055 Thickness: **0.5mm**, Size: 50x50 mm
BE603100 Thickness: **1.0mm**, Size: 12x12 mm to 25x25 mm
BE603110 Thickness: **1.0mm**, Size: 50x50 mm
BE603150 Thickness: **1.5mm**, Size: 25x25 mm
BE603200 Thickness: **2.0mm**, Size: 25x25 mm
BE603210 Thickness: **2.0mm**, Size: 50x50 mm
BE603400 Thickness: **4.0mm**, Size: 25x25 mm
BE603410 Thickness: **4.0mm**, Size: 50x50 mm



Rod

- BE607910** Diameter: **1.0mm**, Length: 150 mm
BE607930 Diameter: **3.0mm**, Length: 150 mm
BE607950 Diameter: **5.0mm**, Length: 150 mm
BE607980 Diameter: **10.0mm**, Length: 150 mm

Boron Carbide (B₄C)



Powder

- B 626010** Max. Particle size: **45micron**, Purity: 99%



Granule

- B 626300** Nominal Granule Size: **5mm**

Boron Carbide - Hot-pressed (B₄C)



Sheet

- B 613200** Thickness: **0.5mm**, Size: 25x25 mm
B 613205 Thickness: **1.0mm**, Size: 25x25 mm
B 613210 Thickness: **2.0mm**, Size: 50x50 mm
B 613410 Thickness: **4.0mm**, Size: 50x50 mm



Sputtering Target

- B 619300** Thickness: **3.0mm**, Size: 50 mm to 76.2 mm

- B 619400** Thickness: **4.0mm**, Size: 30 mm



Rod

- B 617905** Diameter: **6.0mm**, Length: 10 mm
B 617906 Diameter: **6.0mm**, Length: 100 mm

Boron Nitride (BN)



Sheet

- B 603110** Thickness: **0.20mm**, Condition: Hot-pressed, Size: 5x5 mm
B 603151 Thickness: **0.5mm**, Condition: Hot-pressed, Diameter: 30 mm
B 603150 Thickness: **0.5mm**, Condition: Hot-pressed, Size: 100x100 mm
B 603175 Thickness: **1.0mm**, Condition: Hot-pressed, Diameter: 13 mm to 20 mm
B 603120 Thickness: **1.0mm**, Condition: Pyrolytic, Size: 25x25 mm
B 603121 Thickness: **1.0mm**, Condition: Pyrolytic, Size: 50x50 mm
B 603125 Thickness: **1.5mm**, Condition: Pyrolytic, Size: 25x25 mm
B 603200 Thickness: **2.0mm**, Condition: Hot-pressed, Size: 25x25 mm
B 603220 Thickness: **2.0mm**, Condition: Hot isostatic pressed, Size: 25x25 mm
B 603201 Thickness: **2.0mm**, Condition: Hot-pressed, Size: 50x50 mm
B 603202 Thickness: **2.0mm**, Condition: Hot-pressed, Diameter: 40 mm to 50 mm
B 603221 Thickness: **2.0mm**, Condition: Hot isostatic pressed, Size: 50x50 mm
B 603203 Thickness: **2.0mm**, Condition: Hot-pressed, Size: 100x100 mm to 100x200 mm
B 603400 Thickness: **4.0mm**, Condition: Hot-pressed, Size: 25x25 mm
B 603401 Thickness: **4.0mm**, Condition: Hot-pressed, Size: 50x50 mm
B 603402 Thickness: **4.0mm**, Condition: Hot-pressed, Size: 300x300 mm



Sputtering Target

- B 609300** Thickness: **3.0mm**, Condition: Hot isostatic pressed, Size: 25.4 mm to 76.2 mm



Rod

- B 607905** Diameter: **3.0mm**, Condition: Hot-pressed, Length: 100 mm
B 607906 Diameter: **4.0mm**, Condition: Hot-pressed, Length: 100 mm
B 607910 Diameter: **6.4mm**, Condition: Hot-pressed, Length: 100 mm to 200 mm
B 607915 Diameter: **9.0mm**, Condition: Hot-pressed, Length: 25 mm to 200 mm
B 607920 Diameter: **12.7mm**, Condition: Hot-pressed, Length: 25 mm to 200 mm
B 607930 Diameter: **15mm**, Condition: Hot-pressed, Length: 25 mm to 100 mm
B 607940 Diameter: **20mm**, Condition: Hot-pressed, Length: 25 mm to 100 mm
B 607950 Diameter: **25.4mm**, Condition: Hot-pressed, Length: 25 mm to 100 mm

Ceramics

B 607955 Diameter: **32mm**, Condition: Hot-pressed, Length: 25 mm to 100 mm



Tube

B 607050 Outside Diameter: **4.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 2mm, Condition: Hot-pressed, Length: 100 mm

B 607100 Outside Diameter: **6.4mm**, Wall Thickness: 2.35mm, Inside Diameter: 1.7mm, Condition: Hot-pressed, Length: 100 mm

B 607101 Outside Diameter: **6.4mm**, Wall Thickness: 2.35mm, Inside Diameter: 1.7mm, Condition: Hot-pressed, Length: 50 mm

B 607120 Outside Diameter: **16mm**, Wall Thickness: 2.5mm, Inside Diameter: 11mm, Condition: Hot-pressed, Length: 50 mm



Powder

B 606011 Max. Particle size: **10micron**, Purity: 99.5%

Leachable Ceramic

(SiO₂ 50/ZrSiO₄ 40/Al₂O₃ 10)



Rod

SI657915 Diameter: **1.5mm**, Length: 50 mm to 90 mm

SI657925 Diameter: **2.5mm**, Length: 50 mm to 150 mm

SI657950 Diameter: **5.0mm**, Length: 47 mm to 150 mm

SI657975 Diameter: **10.0mm**, Length: 50 mm to 150 mm



Tube

SI657120 Outside Diameter: **6.0mm**, Wall Thickness: 2.0mm, Inside Diameter: 2mm, Length: 150 mm

SI657322 Outside Diameter: **16.0mm**, Wall Thickness: 5.75mm, Inside Diameter: 4.5mm, Length: 150 mm

SI657320 Outside Diameter: **16.0mm**, Wall Thickness: 5.0mm, Inside Diameter: 6mm, Length: 50 mm to 100 mm

SI657500 Outside Diameter: **25.0mm**, Wall Thickness: 8.3mm, Inside Diameter: 8.4mm, Length: 150 mm

Machinable Glass Ceramic

(SiO₂ 46/Al₂O₃ 16/MgO 17/K₂O 10/B₂O₃ 7)

MACOR®



Sheet

SI663005 Thickness: **0.5mm**, Size: 100x100 mm

SI663010 Thickness: **1mm**, Size: 25x25 mm

SI663011 Thickness: **1mm**, Size: 100x100 mm

SI663020 Thickness: **2mm**, Size: 25x25 mm to 50x50 mm

SI663021 Thickness: **2mm**, Size: 100x100 mm

SI663030 Thickness: **3mm**, Size: 25x25 mm

SI663031 Thickness: **3mm**, Size: 100x100 mm

SI663060 Thickness: **6mm**, Size: 25x25 mm to 50x50 mm

SI663130 Thickness: **13mm**, Size: 25x25 mm to 150x150 mm



Rod

SI667902 Diameter: **1.6mm**, Length: 100 mm to 300 mm

SI667903 Diameter: **2.0mm**, Length: 100 mm to 300 mm

SI667904 Diameter: **3.2mm**, Length: 100 mm to 300 mm

SI667906 Diameter: **4.8mm**, Length: 100 mm to 300 mm

SI667908 Diameter: **8.0mm**, Length: 50 mm to 100 mm

SI667910 Diameter: **10.0mm**, Length: 50 mm to 100 mm

SI667913 Diameter: **12.7mm**, Length: 25 mm to 300 mm

SI667920 Diameter: **20mm**, Length: 25 mm to 300 mm

SI667925 Diameter: **25.4mm**, Length: 25 mm to 300 mm

SI667940 Diameter: **40mm**, Length: 25 mm to 300 mm

SI667950 Diameter: **50.8mm**, Length: 25 mm to 300 mm



Bar

SI668125 Side Length: **25.4mm**, Side Length (of longer side): 25.4mm, Length: 25 mm to 100 mm

SI668250 Side Length: **50.8mm**, Side Length (of longer side): 50.8mm, Length: 25 mm to 50 mm

Magnesium Silicate (MgSiO₃)



Powder

MG626010 Max. Particle size: **10micron**

Magnesium oxide (MgO)



Rod

MG607920 Diameter: **6.35mm**, Stabilized with: 3% Yttria, Length: 65 mm to 275 mm

Potassium Aluminosilicate (Muscovite Mica)



Sheet

K 603011 Thickness: **0.012mm**, Condition: Clear Ruby, Size: 50x50 mm

K 603012 Thickness: **0.012mm**, Condition: Clear Ruby, Size: 100x100 mm

K 603016 Thickness: **0.016mm**, Condition: Clear Ruby, Size: 100x100 mm

K 603020 Thickness: **0.020mm**, Condition: Clear Ruby, Size: 25x25 mm to 100x100 mm

K 603025 Thickness: **0.025mm**, Condition: Clear Ruby, Size: 25x25 mm to 100x100 mm

K 603050 Thickness: **0.050mm**, Condition: Clear Ruby, Size: 25x25 mm to 50x50 mm

K 603100 Thickness: **0.10mm**, Condition: Clear Ruby, Size: 25x25 mm to 100x100 mm

K 603151 Thickness: **0.15mm**, Condition: Clear Ruby, Diameter: 12 mm

K 603153 Thickness: **0.15mm**, Condition: Clear Ruby, Diameter: 8 mm

K 603152 Thickness: **0.15mm**, Condition: Clear Ruby, Diameter: 16 mm

K 603150 Thickness: **0.15mm**, Condition: Clear Ruby, Size: 25x25 mm to 100x100 mm

K 603155 Thickness: **0.15mm**, Condition: Clear Green, Size: 200x200 mm

Quartz - Fused (SiO₂)



Sheet

SI613051 Thickness: **0.25 mm**, Condition: Polished both sides, Size: 25x25 mm to 50x50 mm

SI613100 Thickness: **1.0 mm**, Condition: Polished both sides, Size: 25x25 mm

Ceramics

SI613101 Thickness: **1.0 mm**, Condition: Polished both sides, Size: 50x50 mm

SI613105 Thickness: **1.0 mm**, Condition: Polished both sides, Size: 150x150 mm

SI613120 Thickness: **2.0 mm**, Condition: Polished both sides, Size: 25x25 mm

SI613122 Thickness: **2.0 mm**, Condition: Polished both sides, Diameter: 23 mm

SI613121 Thickness: **2.0 mm**, Condition: Polished both sides, Size: 50x50 mm

SI613200 Thickness: **2.0mm**, Condition: Translucent, Size: 150x150 mm

SI613205 Thickness: **2.0 mm**, Condition: Polished both sides, Size: 150x150 mm

SI613206 Thickness: **2.5 mm**, Condition: Polished both sides, Size: 150x150 mm

SI613140 Thickness: **3.0 mm**, Condition: Polished both sides, Size: 25x25 mm

SI613142 Thickness: **3.0mm**, Condition: Ground, Size: 50x50 mm

SI613141 Thickness: **3.0 mm**, Condition: Polished both sides, Size: 50x50 mm

SI613300 Thickness: **6.0 mm**, Condition: Polished both sides, Diameter: 25 mm

SI613305 Thickness: **6.35 mm**, Condition: Polished both sides, Diameter: 63.5 mm

**Sputtering Target**

SI619301 Thickness: **3.0mm**, Purity: 99%, Size: 50 mm to 75 mm

SI619300 Thickness: **3.0mm**, Purity: 99.995%, Size: 50.8 mm

SI619601 Thickness: **6.0mm**, Purity: 99%, Size: 50 mm to 75 mm

SI619600 Thickness: **6.0mm**, Purity: 99.995%, Size: 50 mm to 75 mm

**Monofilament**

SI615910 Diameter: **0.1mm**

**Rod**

SI617905 Diameter: **0.5mm**, Length: 50 mm

SI617910 Diameter: **1.0mm**, Length: 100 mm to 1000 mm

SI617920 Diameter: **2.0mm**, Length: 100 mm to 1000 mm

SI617930 Diameter: **3.0mm**, Length: 100 mm to 1000 mm

SI617950 Diameter: **5.0mm**, Length: 100 mm to 1000 mm

SI617975 Diameter: **10.0mm**, Length: 100 mm to 1000 mm

SI617978 Diameter: **12.0mm**, Length: 100 mm to 1000 mm

SI617980 Diameter: **15.0mm**, Length: 100 mm to 1000 mm

SI617990 Diameter: **20.0mm**, Length: 100 mm to 1000 mm

**Tube**

SI617020 Outside Diameter: **0.7mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.5mm, Length: 100 mm

SI617030 Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.8mm, Length: 100 mm to 200 mm

SI617040 Outside Diameter: **2.9mm**, Wall Thickness: 0.75mm, Inside Diameter: 1.4mm, Length: 100 mm to 1000 mm

SI617041 Outside Diameter: **3.0mm**, Wall Thickness: 0.9mm, Inside Diameter: 1.2mm, Length: 200 mm

SI617050 Outside Diameter: **4.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 2mm, Length: 100 mm to 1000 mm

SI617080 Outside Diameter: **5.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 3mm, Length: 100 mm to 1000 mm

SI617150 Outside Diameter: **7.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 5mm, Length: 100 mm to 1000 mm

SI617180 Outside Diameter: **9.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 7mm, Length: 100 mm to 1000 mm

SI617260 Outside Diameter: **12.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 10mm, Length: 100 mm to 1000 mm

SI617280 Outside Diameter: **14mm**, Wall Thickness: 1.0mm, Inside Diameter: 12mm, Length: 100 mm to 1000 mm

SI617361 Outside Diameter: **18.0mm**, Wall Thickness: 1.6mm, Inside Diameter: 14.8mm, Length: 100 mm to 1000 mm

SI617360 Outside Diameter: **18.0mm**, Wall Thickness: 1.3mm, Inside Diameter: 15.4mm, Length: 195 mm to 495 mm

SI617460 Outside Diameter: **23.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 20mm, Length: 100 mm to 1000 mm

SI617480 Outside Diameter: **25mm**, Wall Thickness: 1.5mm, Inside Diameter: 22mm, Length: 100 mm to 900 mm

SI617490 Outside Diameter: **28mm**, Wall Thickness: 1.5mm, Inside Diameter: 25mm, Length: 100 mm to 900 mm

SI617550 Outside Diameter: **40mm**, Wall Thickness: 2mm, Inside Diameter: 36mm, Length: 100 mm to 1000 mm

**Powder**

SI616010 Max. Particle size: **45micron**

**Granule**

SI616300 Nominal Granule Size: **3mm**, Purity: 99.995%

**Sphere**

SI616810 Diameter: **0.35mm**, Condition: Polished

SI616815 Diameter: **0.80mm**, Condition: Polished

SI616820 Diameter: **1.25mm**, Condition: Polished

Ruby (Al_2O_3 / Cr_2O_3 / Si_2O_3)**Sheet**

AJ603100 Thickness: **1.0mm**, Condition: Single crystal, Cr_2O_3 content: 0.9%, Size: 20x20 mm

AJ603400 Thickness: **5.0mm**, Condition: Single crystal, Cr_2O_3 content: 0.9%, Size: 5x5 mm

**Powder**

AJ606010 Max. Particle size: **45micron**, Cr_2O_3 content: 0.1%

**Sphere**

AJ606808 Diameter: **0.127mm**, Condition: Polished, Cr_2O_3 content: 0.9%

Ceramics

AJ606811 Diameter: **0.16mm**, Condition: Polished, Cr₂O₃ content: 0.9%

AJ606820 Diameter: **0.5mm**, Condition: Polished, Cr₂O₃ content: 0.9%

AJ606825 Diameter: **1.0mm**, Condition: Polished, Cr₂O₃ content: 0.9%

AJ606830 Diameter: **1.5mm**, Condition: Polished, Cr₂O₃ content: 0.9%

AJ606835 Diameter: **2.0mm**, Condition: Polished, Cr₂O₃ content: 0.9%

AJ606840 Diameter: **3.0mm**, Condition: Polished, Cr₂O₃ content: 0.9%

AJ606860 Diameter: **6.0mm**, Condition: Polished, Cr₂O₃ content: 0.9%

Sapphire (Al₂O₃ 99.9)



Sheet

AL663010 Thickness: **0.10 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1μm Ra, Diameter: 12 mm

AL663026 Thickness: **0.25 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1μm Ra, Diameter: 12 mm

AL663024 Thickness: **0.25 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1μm Ra, Size: 8x8 mm

AL663025 Thickness: **0.25 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1μm Ra, Size: 25x25 mm

AL663030 Thickness: **0.3 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1μm Ra, Diameter: 9.5 mm

AL663050 Thickness: **0.5 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1μm Ra, Diameter: 12 mm to 25 mm

AL663051 Thickness: **0.5 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1μm Ra, Size: 10x10 mm to 50x50 mm

AL663060 Thickness: **0.635 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1μm Ra, Diameter: 12 mm

AL663101 Thickness: **1.0 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1μm Ra, Size: 25x25 mm

AL663100 Thickness: **1.0 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1μm Ra, Diameter: 8 mm to 30 mm

AL663120 Thickness: **2.0 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1μm Ra, Diameter: 4 mm

AL663121 Thickness: **2.0 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1μm Ra, Diameter: 20 mm

AL663250 Thickness: **3.0 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1μm Ra, Diameter: 25 mm

AL663300 Thickness: **6.35 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1μm Ra, Diameter: 25 mm



Monofilament

AL665920 Diameter: **0.125mm**, Grade: Structural

AL665930 Diameter: **0.25mm**, Grade: Structural



Rod

AL667920 Diameter: **2.0mm**, Length: 50 mm

AL667940 Diameter: **4.0mm**, Length: 50 mm



Powder

AL666010 Max. Particle size: **60micron**



Sphere

AL666801 Diameter: **0.25mm**, Condition: Polished

AL666802 Diameter: **0.5mm**, Condition: Polished

AL666803 Diameter: **1.0mm**, Condition: Polished

AL666804 Diameter: **1.25mm**, Condition: Polished

AL666805 Diameter: **1.5mm**, Condition: Polished

AL666808 Diameter: **2.0mm**, Condition: Polished

AL666810 Diameter: **3mm**, Condition: Polished

AL666812 Diameter: **4mm**, Condition: Polished

AL666815 Diameter: **5mm**, Condition: Polished

AL666820 Diameter: **6mm**, Condition: Polished

AL666825 Diameter: **10mm**, Condition: Polished

Silica (SiO₂ 96)

VYCOR®



Sheet

SI623010 Thickness: **0.5mm**, Size: 5x5 mm to 10x10 mm

SI623320 Thickness: **3.2mm**, Size: 150x150 mm

SI623063 Thickness: **6.35mm**, Size: 150x150 mm

Silicon Carbide (SiC)

Nicalon



Sheet

SI673250 Thickness: **4mm**, Condition: Direct sintered, Size: 50x50 mm



Foam

SI673850 Thickness: **10mm**, Bulk density: 0.29g.cm⁻³, Pores/cm: 24, Porosity: 91%, Size: 100x100 mm



Fiber

SI675721 Tex Number: **209**, Filament Diameter: 0.015mm, Number of Filaments: 500



Monofilament

SI675920 Diameter: **0.1 mm**, Core: Tungsten 0.01mm diameter

SI675930 Diameter: **0.1 mm**, Core: Tungsten 0.01mm diameter



Powder

SI676021 Mean Particle size: **0.1-1micron**, Phase: Alpha

Ceramics

SI676010 Max. Particle size: **75micron**, Purity: 98.7%

Silicon Carbide - Hot-pressed (SiC)



Sheet

SJ603209 Thickness: **2.0mm**, Size: 10x10 mm

SJ603211 Thickness: **2.0 mm**, Condition: Polished on 1 side, Size: 20x20 mm

SJ603210 Thickness: **2.0mm**, Size: 50x50 mm



Granule

SJ606300 Nominal Granule Size: **1mm**

Silicon Carbide - Reaction Bonded (SiC)

REFEL F[®]



Sheet

SI643251 Thickness: **5mm**, Size: 50x50 mm

SI643250 Thickness: **5.0mm**, Condition: Ground, Size: 50x50 mm

SI643300 Thickness: **6.0mm**, Condition: Ground, Size: 50x50 mm



Rod

SI647950 Diameter: **5.0mm**, Length: 100 mm to 200 mm

SI647975 Diameter: **10.0mm**, Length: 100 mm to 200 mm

SI647990 Diameter: **15.0mm**, Length: 52 mm to 150 mm



Tube

SI647250 Outside Diameter: **10.0mm**, Wall Thickness: 2.8mm, Inside Diameter: 4.4mm, Length: 45 mm to 150 mm

SI647350 Outside Diameter: **15.0mm**, Wall Thickness: 4.0mm, Inside Diameter: 7mm, Length: 50 mm to 150 mm

Silicon Nitride (Si₃N₄)



Powder

SI686020 Max. Particle size: **10micron**, Condition: Alpha Si₃N₄ (85% minimum)

Silicon Nitride - Hot-pressed (Si₃N₄)



Sputtering Target

SJ619300 Thickness: **3.0mm**, Condition: Hot-pressed, Size: 50.8 mm to 76.2 mm

SJ619600 Thickness: **6.0mm**, Condition: Hot-pressed, Size: 50.8 mm to 76.2 mm

Silicon Nitride - Reaction Bonded (Si₃N₄)

NITRASIL[®] R



Sheet

SI633110 Thickness: **1.0mm**, Size: 50x50 mm

SI633200 Thickness: **2.0mm**, Size: 20x20 mm

SI633210 Thickness: **2.0mm**, Size: 50x50 mm

SI633220 Thickness: **2.0mm**, Size: 100x100 mm

SI633400 Thickness: **4.0mm**, Size: 25x25 mm

SI633410 Thickness: **4.0mm**, Size: 50x50 mm

SI633420 Thickness: **4.0mm**, Size: 100x100 mm



Rod

SI637920 Diameter: **2.0mm**, Length: 100 mm

SI637950 Diameter: **5.0mm**, Length: 100 mm

SI637975 Diameter: **10.0mm**, Length: 150 mm



Tube

SI637250 Outside Diameter: **5.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 3mm, Length: 100 mm

SI637400 Outside Diameter: **8.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 5mm, Length: 100 mm

SI637500 Outside Diameter: **10.0mm**, Wall Thickness: 2.5mm, Inside Diameter: 5mm, Length: 150 mm



Sphere

SI636810 Diameter: **3mm**, Condition: Polished

SI636820 Diameter: **6mm**, Condition: Polished

SI636840 Diameter: **10mm**, Condition: Polished

Silicon Nitride/Aluminum Nitride/Aluminum Oxide (Sialon)

Syalon[®]



Sheet

SY603200 Thickness: **2.0mm**, Size: 25x25 mm

SY603210 Thickness: **2.0mm**, Size: 50x50 mm

SY603400 Thickness: **4.0mm**, Size: 25x25 mm

SY603410 Thickness: **4.0mm**, Size: 50x50 mm

Titanium Diboride (TiB₂)



Sheet

TI613300 Thickness: **3.0mm**, Size: 25x25 mm



Sputtering Target

TI619600 Thickness: **6mm**, Size: 50 mm

Titanium Dioxide (TiO₂ 99.6%)



Sheet

TI603200 Thickness: **2.0mm**, Size: 25x25 mm

TI603300 Thickness: **3.0mm**, Size: 25x25 mm



Sputtering Target

TI609300 Thickness: **3mm**, Size: 25.4 mm to 76.2 mm

TI609600 Thickness: **6.35mm**, Size: 50.8 mm to 76.2 mm



Powder

TI606010 Max. Particle size: **45micron**

Tungsten Carbide/Cobalt (WC 94/Co 6)



Sheet

W 603100 Thickness: **1.0mm**, Size: 100x100 mm

W 603200 Thickness: **2.0mm**, Size: 25x25 mm



Sputtering Target

W 609300 Thickness: **3mm**, Size: 50.8 mm

Ceramics



Wire

W 605130 Diameter: **0.25mm**, Condition: Straight wire



Rod

W 607905 Diameter: **3.0mm**, Length: 150 mm

W 607910 Diameter: **6.35mm**, Length: 150 mm



Tube

W 607120 Outside Diameter: **0.5mm**, Wall Thickness: 0.2mm, Inside Diameter: 0.1mm, Condition: Centerless ground, Length: 150 mm

W 607140 Outside Diameter: **1.0mm**, Wall Thickness: 0.3mm, Inside Diameter: 0.4mm, Condition: Centerless ground, Length: 150 mm

W 607160 Outside Diameter: **2.0mm**, Wall Thickness: 0.6mm, Inside Diameter: 0.8mm, Condition: Centerless ground, Length: 150 mm



Sphere

W 606801 Diameter: **0.2mm**, Condition: Polished

W 606802 Diameter: **0.25mm**, Condition: Polished

W 606803 Diameter: **0.30mm**, Condition: Polished

W 606804 Diameter: **0.35mm**, Condition: Polished

W 606805 Diameter: **0.40mm**, Condition: Polished

W 606810 Diameter: **3.0mm**, Condition: Polished

W 606840 Diameter: **6.0mm**, Condition: Polished

Yttrium Oxide (Y_2O_3)



Sheet

Y 603010 Thickness: **0.5mm**, Diameter: 10 mm

Y 603020 Thickness: **2.0mm**, Diameter: 10 mm

Y 603030 Thickness: **3.0mm**, Diameter: 10 mm

Y 603060 Thickness: **6.0mm**, Diameter: 10 mm



Powder

Y 606030 Mean Particle size: **5-10micron**, Purity: 99.9%

Zinc Oxide/Aluminium Oxide (ZnO 98/ Al_2O_3 2)



Sputtering Target

ZN609600 Thickness: **6.35mm**, Size: 51 mm

Zirconia - stabilized with Magnesia (ZrO_2/MgO)



Sheet

ZR623020 Thickness: **2.15mm**, Stabilized with: 4% Magnesia, Size: 50x50 mm

ZR623040 Thickness: **4.0mm**, Stabilized with: 4% Magnesia, Size: 50x50 mm



Rod

ZR627905 Diameter: **5.0mm**, Stabilized with: 4% Magnesia, Length: 50 mm to 100 mm

ZR627910 Diameter: **10.0mm**, Stabilized with: 4% Magnesia, Length: 50 mm to 100 mm



Powder

ZR626010 Mean Particle size: **0.8micron**, Stabilized with: 2.8% Magnesia

Zirconia - stabilized with Yttria (ZrO_2/Y_2O_3)



Sheet

ZR613051 Thickness: **0.5mm**, Stabilized with: 5% Yttria, Size: 25x25 mm

ZR613052 Thickness: **0.5mm**, Stabilized with: 5% Yttria, Size: 100x100 mm

ZR613076 Thickness: **0.75mm**, Stabilized with: 5% Yttria, Size: 25x25 mm

ZR613101 Thickness: **1.0mm**, Stabilized with: 5% Yttria, Size: 25x25 mm



Sputtering Target

ZR619200 Thickness: **2.0mm**, Condition: Hot-pressed, Stabilized with: 5% Yttria, Size: 15 mm

ZR619300 Thickness: **3.0mm**, Condition: Hot-pressed, Stabilized with: 5% Yttria, Size: 50.8 mm

ZR619301 Thickness: **3.0mm**, Condition: Pressed, Stabilized with: 5% Yttria, Size: 50.8 mm

ZR619600 Thickness: **6.0mm**, Condition: Hot-pressed, Stabilized with: 5% Yttria, Size: 50.8 mm to 76.2 mm



Non-Woven Fabric

ZR613710 Weight.m²: **310g**, Stabilized with: 8% Yttria, Thickness: 1.1mm, Size: 150x150 mm to 450x600 mm

ZR613720 Weight.m²: **600g**, Stabilized with: 8% Yttria, Thickness: 2.5mm, Size: 150x150 mm to 450x600 mm



Tube

ZR617251 Outside Diameter: **3.5mm**, Wall Thickness: 0.25mm, Inside Diameter: 3.0mm, Length: 100 mm



Powder

ZR616010 Mean Particle size: **0.1-2micron**, Stabilized with: 5.4% Yttria



Lump

ZR616100 Max. Lump size: **3mm**, Stabilized with: 3% Yttria, Condition: Nominal 2mm diameter grinding balls



Granule

ZR616300 Nominal Granule Size: **2mm**, Stabilized with: 8% Yttria



Sphere

ZR616810 Diameter: **1.0mm**

ZR616820 Diameter: **2.0mm**

ZR616850 Diameter: **5.0mm**

Zirconia - unstabilized (ZrO_2 99)



Powder

ZR606010 Mean Particle size: **2micron**

Polymers

Acrylonitrile/Methylacrylate copolymer (Barex® - impact modified copolymer)

Barex



Sheet

AN303200 Thickness: **2mm**, Size: 60x60 mm



Granule

AN306300 Nominal Granule Size: **5mm**

Cellulose (Regenerated Cellulose)

Cellophane, Rayophane



Film

AC321020 Thickness: **0.021mm**, Coil width 250 mm Length : 0.5 m to 10 m

AC321030 Thickness: **0.031mm**, Coil width 400 mm Length : 0.5 m to 10 m

AC321040 Thickness: **0.042mm**, Size: 520x610 mm

AC321088 Thickness: **0.09mm**, Condition: Vegetable parchment, Coating: Uncoated, Coil width 600 mm, Size: 300x300 mm

AC321090 Thickness: **0.09mm**, Condition: Vegetable parchment, Condition: Silicone coated on both sides, Coil width 600 mm, Size: 300x300 mm



Fiber

AC325717 Tex Number: **16.7**, Filament Diameter: 0.015mm, Number of Filaments: 60, Condition: Medium Tenacity

Cellulose Acetate (CA)

Clarifoil, Dixel, Tenite Acetate



Film

AC311025 Thickness: **0.025mm**, Coil width 300 mm Length : 1 m to 20 m

AC311050 Thickness: **0.050mm**, Coil width 735 mm, Size: 300x300 mm

AC311075 Thickness: **0.075mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

AC311200 Thickness: **0.20mm**, Coil width 640 mm, Size: 150x150 mm to 300x300 mm

AC311250 Thickness: **0.25mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

AC311400 Thickness: **0.5mm**, Size: 150x150 mm to 600x600 mm



Metallized Film

AC311850 Thickness: **0.05mm**, Ohms/Square: 0.2, Metallized with: Aluminum, Coil width 300 mm Length : 0.5 m to 10 m

Cellulose Acetate Butyrate (CAB)

Cellidor B, Tenite Butyrate



Sheet

AC303025 Thickness: **0.25mm**, Size: 100x100 mm to 500x500 mm

AC303050 Thickness: **0.5mm**, Size: 250x250 mm to 500x500 mm

AC303075 Thickness: **0.762mm**, Condition: Light-control sheet, Size: 25x25 mm to 300x300 mm

AC303080 Thickness: **0.762mm**, Condition: Light-control sheet, Size: 25x25 mm to 300x300 mm

AC303085 Thickness: **0.8mm**, Size: 250x250 mm to 500x500 mm

AC303100 Thickness: **1mm**, Size: 250x250 mm to 500x500 mm



Tube

AC307300 Outside Diameter: **3.0mm**, Wall Thickness: 0.75mm, Inside Diameter: 1.5mm, Length: 1200 mm



Granule

AC306300 Nominal Granule Size: **3mm**, Color: Natural

Cyclo-olefin copolymer (Topas®)



Granule

ET356301 Nominal Granule Size: **3mm**

ET356300 Nominal Granule Size: **4mm**

Ethylene-Chlorotrifluoroethylene copolymer (E-CTFE)

Halar



Film

FP331125 Thickness: **0.0125mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

FP331250 Thickness: **0.025mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

FP331300 Thickness: **0.125mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

Ethylene-Tetrafluoroethylene Copolymer (ETFE)

Tefzel, Hostaflon ET



Film

FP361025 Thickness: **0.025mm**, Coil width 300 mm, Size: 150x150 mm to 300x300 mm

FP361125 Thickness: **0.125mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm



Mesh

FP368703 Nominal Aperture: **85μm**, Monofil diameter: 80μm, Threads/cm: 60.7, Open area: 26.5%, Type: Plain weave mesh, Size: 250x250 mm to 500x500 mm

FP368705 Nominal Aperture: **300μm**, Monofil diameter: 200μm, Threads/cm: 20, Open area: 36%, Type: Plain weave mesh, Size: 250x250 mm to 500x500 mm

FP368710 Nominal Aperture: **1000μm**, Monofil diameter: 500μm, Threads/cm: 6.7, Open area: 44%, Type: Plain weave mesh, Size: 250x250 mm to 500x500 mm



Rod

FP367920 Diameter: **11mm**, Length: 100 mm to 900 mm

FP367930 Diameter: **19mm**, Length: 100 mm to 900 mm

FP367990 Diameter: **80mm**, Length: 25 mm to 50 mm

Polymers

Fluorinated Ethylene Propylene Copolymer (FEP)

Teflon FEP, Hostaflon FEP



Film

- FP341025** Thickness: **0.025mm**, Coil width 300 mm, Size: 150x150 mm to 300x300 mm
- FP341050** Thickness: **0.05mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm
- FP341075** Thickness: **0.075mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm
- FP341100** Thickness: **0.1mm**, Coil width 600 mm, Size: 150x150 mm to 300x300 mm
- FP341250** Thickness: **0.25mm**, Coil width 600 mm, Size: 150x150 mm to 300x300 mm
- FP341400** Thickness: **0.5mm**, Coil width 625 mm, Size: 150x150 mm to 300x300 mm
- FP341440** Thickness: **1.0mm**, Size: 150x150 mm to 600x600 mm
- FP341470** Thickness: **2.3mm**, Size: 150x150 mm to 300x300 mm



Sheet

- FP343300** Thickness: **3mm**, Size: 150x150 mm



Monofilament

- FP345925** Diameter: **0.28mm**



Rod

- FP347905** Diameter: **3mm**, Length: 300 mm to 900 mm
- FP347910** Diameter: **9.5mm**, Length: 300 mm to 900 mm
- FP347930** Diameter: **25mm**, Length: 100 mm to 500 mm

Hexafluoropropylene-vinylidene fluoride copolymer (FKM)

Fluorel



Sheet

- FV313051** Thickness: **0.5mm**, Color: Green, Type: Non-conducting, Tolerance: 20%, Size: 150x150 mm
- FV313050** Thickness: **0.5mm**, Color: Black, Type: Semi-conducting, Size: 250x250 mm to 500x500 mm
- FV313100** Thickness: **1.0mm**, Color: Black, Type: Semi-conducting, Tolerance: 20%, Size: 200x200 mm to 1000x1000 mm
- FV313150** Thickness: **1.5mm**, Color: White, Type: Non-conducting, Tolerance: 20%, Size: 150x150 mm to 300x300 mm
- FV313300** Thickness: **3.0mm**, Color: Black, Type: Semi-conducting, Size: 150x185 mm to 300x300 mm



Sphere

- FV316820** Diameter: **3.18mm**, Color: Black, Type: Semi-conducting

Poly L lactic acid - Biopolymer (PLLA)



Film

- ME331050** Thickness: **0.05mm**, Coil width 330 mm, Size: 150x150 mm to 300x300 mm



Granule

- ME336310** Nominal Granule Size: **5mm**

Polyacrylamide/acrylate (Hydrogel)

Aridall, Broadleaf, Hydrogel



Granule

- AC336310** Nominal Granule Size: **2.5mm**

Polyacrylonitrile (PAN)



Powder

- AN316010** Mean Particle size: **50micron**, Condition: Copolymer (99.5% AN / 0.5% MA)

Polyacrylonitrile-butadiene-styrene (ABS)

Cyclocac, Lustran, Novodur, Ronfalin



Sheet

- AB303090** Thickness: **0.85mm**, Color: White, Size: 100x100 mm to 350x350 mm
- AB303100** Thickness: **1.0mm**, Color: Black, Size: 150x150 mm to 600x600 mm
- AB303150** Thickness: **1.5mm**, Color: White, Size: 150x150 mm to 600x600 mm
- AB303300** Thickness: **3.0mm**, Color: White, Size: 150x150 mm to 600x600 mm
- AB303400** Thickness: **6.0mm**, Color: White, Size: 150x150 mm to 600x600 mm



Rod

- AB307910** Diameter: **10mm**, Color: Natural, Length: 100 mm to 1000 mm
- AB307925** Diameter: **25mm**, Length: 100 mm to 1000 mm

Polyamide - Nylon 4, 6 (PA 4,6)

Stanyl



Film

- AM341025** Thickness: **0.025mm**, Size: 100x100 mm to 600x600 mm



Sheet

- AM343100** Thickness: **10mm**, Size: 150x150 mm to 300x300 mm



Fiber

- AM345724** Tex Number: **24**, Filament Diameter: 0.027mm, Number of Filaments: 36, Condition: High Tenacity



Rod

- AM347910** Diameter: **10mm**, Length: 100 mm to 1000 mm
- AM347925** Diameter: **50mm**, Length: 50 mm to 500 mm

Polyamide - Nylon 6 (PA 6)

Akulon K and F, Capron, Maranyl B, Nylacast, Orgamid, Ultramid B



Film

- AM301015** Thickness: **0.015mm**, Color: Colorless, Oriented: Uni-axially oriented, Coil width 600 mm, Size: 100x100 mm to 600x600 mm
- AM301025** Thickness: **0.025mm**, Color: Light blue, Condition: Heat stabilized, Coil width 500 mm, Size: 100x100 mm to 300x300 mm

Polymers

AM301026 Thickness: **0.025mm**, Color: Colorless, Oriented: Uni-axially oriented, Coil width 600 mm, Size: 100x100 mm to 600x600 mm

AM301050 Thickness: **0.05mm**, Condition: Heat stabilized, Coil width 600 mm, Size: 100x100 mm to 600x600 mm

AM301075 Thickness: **0.075mm**, Condition: Crystalline, Coil width 600 mm, Size: 100x100 mm to 600x600 mm

AM301100 Thickness: **0.1mm**, Color: Colorless, Condition: Crystalline, Size: 150x150 mm to 300x300 mm

AM301200 Thickness: **0.2mm**, Coil width 190 mm Length : 0.5 m to 10 m

AM301250 Thickness: **0.25mm**, Size: 150x150 mm

AM301350 Thickness: **0.35mm**, Coil width 200 mm, Size: 100x100 mm to 200x200 mm

AM301400 Thickness: **0.5mm**, Coil width 300 mm, Size: 300x300 mm to 600x600 mm



Sheet

AM303010 Thickness: **1mm**, Size: 100x100 mm to 500x500 mm

AM303020 Thickness: **2mm**, Size: 250x250 mm to 500x500 mm

AM303050 Thickness: **5mm**, Size: 150x150 mm to 300x300 mm

AM303100 Thickness: **10mm**, Size: 100x100 mm to 500x500 mm

AM303300 Thickness: **10mm**, Condition: Oil-filled Nylon '6', Size: 100x100 mm to 300x300 mm



Monofilament

AM305915 Diameter: **0.15 mm**, Condition: Nylon 6/66 copolymer

AM305925 Diameter: **0.25 mm**, Condition: Nylon 6/66 copolymer

AM305938 Diameter: **0.35 mm**, Condition: Nylon 6/66 copolymer

AM305950 Diameter: **0.5 mm**, Condition: Nylon 6/66 copolymer

AM305970 Diameter: **0.7 mm**, Condition: Nylon 6/66 copolymer

AM305990 Diameter: **1.0 mm**, Condition: Nylon 6/66 copolymer



Rod

AM307902 Diameter: **2mm**, Length: 1000 mm

AM307903 Diameter: **3mm**, Length: 1000 mm

AM307905 Diameter: **5mm**, Length: 1000 mm

AM307907 Diameter: **6mm**, Color: Black, Contains: 3-5% MoS₂, Length: 1000 mm

AM307910 Diameter: **10mm**, Length: 1000 mm

AM307913 Diameter: **10mm**, Color: Black, Contains: 3-5% MoS₂, Length: 500 mm to 1000 mm

AM307914 Diameter: **15mm**, Length: 1000 mm

AM307917 Diameter: **20mm**, Length: 500 mm to 1000 mm

AM307918 Diameter: **25mm**, Color: Black, Contains: 3-5% MoS₂, Length: 100 mm to 1000 mm

AM307916 Diameter: **25mm**, Length: 500 mm to 1000 mm

AM307928 Diameter: **50mm**, Condition: Oil-filled Nylon '6', Length: 100 mm to 1000 mm

AM307926 Diameter: **50mm**, Length: 200 mm to 500 mm

AM307950 Diameter: **100mm**, Condition: Oil-filled Nylon '6', Length: 100 mm to 500 mm

AM307951 Diameter: **100mm**, Length: 100 mm to 500 mm

AM307975 Diameter: **150mm**, Condition: Oil-filled Nylon '6', Length: 50 mm to 500 mm

AM307990 Diameter: **150mm**, Length: 50 mm to 1000 mm



Tube

AM307006 Outside Diameter: **0.63mm**, Wall Thickness: 0.065mm, Inside Diameter: 0.5mm, Length, Length: 1 m to 20 m

AM307013 Outside Diameter: **1.34mm**, Wall Thickness: 0.17mm, Inside Diameter: 1.0mm, Length, Length: 1 m to 20 m

AM307027 Outside Diameter: **2.77mm**, Wall Thickness: 0.45mm, Inside Diameter: 1.87mm, Length, Length: 1 m to 20 m

AM307030 Outside Diameter: **3.1mm**, Wall Thickness: 0.6mm, Inside Diameter: 1.9mm, Length, Length: 1 m to 20 m



Powder

AM306010 Max. Particle size: **50micron**, Mean Particle size: 15-20micron

AM306015 Mean Particle size: **350micron**



Granule

AM306300 Nominal Granule Size: **3mm**

AM306321 Nominal Granule Size: **3mm**, Color: Natural

Polyamide - Nylon 6 - 30% Glass Fiber Reinforced (PA 6 30% GFR)



Rod

AN337960 Diameter: **60mm**, Color: Black, Length: 100 mm to 500 mm

Polyamide - Nylon 6, 6 (PA 6,6)

Akulon S, Maranyl A, Utramid A, Zytel



Film

AM321025 Thickness: **0.025mm**, Coil width 995 mm, Size: 150x150 mm to 600x600 mm

AM321050 Thickness: **0.05mm**, Coil width 995 mm, Size: 150x150 mm to 600x600 mm

AM321250 Thickness: **0.25mm**, Coil width 100 mm, Size: 100x100 mm

AM321400 Thickness: **0.5mm**, Coil width 200 mm, Size: 50x50 mm to 200x200 mm



Sheet

AM323010 Thickness: **1mm**, Size: 100x100 mm to 300x300 mm

AM323050 Thickness: **5mm**, Size: 100x100 mm to 300x300 mm

AM323100 Thickness: **12mm**, Size: 100x100 mm to 300x300 mm



Mesh

AM328710 Nominal Aperture: **50μm**, Monofil diameter: 39μm, Threads/cm: 110, Open area: 32%, Type: Plain weave mesh, Size: 250x250 mm to 500x500 mm

Polymers



Fiber

- AM325705** Tex Number: **1.3**, Filament Diameter: 0.01mm, Number of Filaments: 14, Condition: Medium Tenacity
- AM325710** Tex Number: **1.7**, Filament Diameter: 0.025mm, Number of Filaments: 3, Condition: Medium Tenacity
- AM325720** Tex Number: **3.3**, Filament Diameter: 0.019mm, Number of Filaments: 10, Condition: High Tenacity
- AM325750** Tex Number: **15.6**, Filament Diameter: 0.023mm, Number of Filaments: 34, Condition: High Tenacity
- AM325790** Tex Number: **94**, Filament Diameter: 0.0275mm, Number of Filaments: 140, Condition: High Tenacity



Rod

- AM327901** Diameter: **1.6mm**, Length: 440 mm to 1200 mm
- AM327903** Diameter: **3.2mm**, Length: 1000 mm
- AM327905** Diameter: **5mm**, Length: 1000 mm
- AM327910** Diameter: **10mm**, Length: 1000 mm
- AM327915** Diameter: **25mm**, Length: 500 mm to 1000 mm
- AM327925** Diameter: **50mm**, Length: 200 mm to 1000 mm
- AM327950** Diameter: **100mm**, Length: 50 mm to 500 mm



Granule

- AM326310** Nominal Granule Size: **3mm**
- AM326315** Nominal Granule Size: **3mm**, Grade: Super-tough
- AM326330** Nominal Granule Size: **8mm**, Color: Natural



Sphere

- AM326810** Diameter: **1.59mm**
- AM326820** Diameter: **3.18mm**
- AM326840** Diameter: **6mm**

Polyamide - Nylon 6, 6 - 30% Glass Fiber Reinforced (PA 6,6 30% GFR)

Akulon S, Maranyl A, Utramid A, Zytel



Sheet

- AM363080** Thickness: **8mm**, Color: Black, Size: 100x100 mm to 500x500 mm
- AM363200** Thickness: **20mm**, Color: Black, Size: 100x100 mm to 220x299 mm



Rod

- AM367910** Diameter: **10mm**, Color: Black, Length: 200 mm to 1000 mm
- AM367930** Diameter: **30mm**, Color: Black, Length: 200 mm to 1000 mm

Polyamide - Nylon 6, 6 - 30% Carbon Fiber Reinforced (PA 6, 6 - 30% CFR)



Granule

- AM396310** Nominal Granule Size: **3mm**, Color: Black

Polyamide - Nylon 11 (PA 11)

Rilsan B



Rod

- AM337913** Diameter: **15mm**, Color: Black, Length: 100 mm to 1000 mm
- AM337915** Diameter: **25mm**, Color: Black, Length: 100 mm to 980 mm
- AM337925** Diameter: **50mm**, Length: 50 mm to 100 mm

Polyamide - Nylon 12 (PA 12)

Rilsan A, Vestamid



Film

- AM371025** Thickness: **0.25mm**, Size: 150x150 mm
- AM371050** Thickness: **0.50mm**, Coil width 320 mm, Size: 150x150 mm to 300x300 mm



Sheet

- AM373080** Thickness: **0.8mm**, Size: 250x250 mm to 500x500 mm
- AM373100** Thickness: **1 mm**, Condition: Machining feedstock, Size: 150x150 mm
- AM373120** Thickness: **1.5mm**, Size: 250x250 mm to 500x500 mm
- AM373200** Thickness: **10 mm**, Condition: Machining feedstock, Size: 150x150 mm to 300x300 mm



Rod

- AM377910** Diameter: **10mm**, Length: 500 mm to 1000 mm
- AM377925** Diameter: **25.0mm**, Length: 500 mm to 1000 mm



Tube

- AM377006** Outside Diameter: **0.63mm**, Wall Thickness: 0.065mm, Inside Diameter: 0.5mm, Length: 1 m to 20 m



Powder

- AM376010** Max. Particle size: **50micron**, Mean Particle size: 25-30micron

Polyamide - Nylon 12 - 30% Glass Fiber Reinforced (PA 12 - 30% GFR)



Rod

- AN327960** Diameter: **92mm**, Color: Cream, Length: 50 mm to 200 mm

Polyamide/imide (PAI)

Kerimid, Torlon®



Sheet

- AM313050** Thickness: **6.0mm**, Color: Brown, Condition: Electrical grade, Grade: Torlon® 4203, Size: 40x50 mm to 150x150 mm
- AM313100** Thickness: **9.5mm**, Color: Brown, Condition: Electrical grade, Grade: Torlon® 4203, Size: 50x50 mm to 150x150 mm



Rod

- AM317910** Diameter: **2.4mm**, Color: Brown, Condition: Electrical grade, Grade: Torlon® 4203, Length: 500 mm to 1000 mm
- AM317940** Diameter: **6.7mm**, Color: Brown, Condition: Electrical grade, Grade: Torlon® 4203, Length: 100 mm to 1000 mm

Polymers

AM317980 Diameter: **12.7mm**, Color: Brown, Condition: Electrical grade, Grade: Torlon[®] 4203, Length: 100 mm to 1000 mm

AM317990 Diameter: **25.4mm**, Color: Brown, Condition: Electrical grade, Grade: Torlon[®] 4203, Length: 50 mm to 200 mm

AM317995 Diameter: **50.8mm**, Color: Brown, Condition: Electrical grade, Grade: Torlon[®] 4203, Length: 25 mm to 100 mm



Sphere

AM316820 Diameter: **3.18mm**, Grade: Torlon[®] 4203

Polyaramid (Polyparaphenylene terephthalamide)

Kevlar, Twaron



Fabric

AR303520 Weight.m⁻²: **60g**, Ends x Picks/10cm: 134x134, Warp Yarn: 22Tex, Weft Yarn: 22Tex, Weave: Plain, Thickness: 0.1mm, Coil width 1270 mm Length : 0.5 m to 1 m

AR303550 Weight.m⁻²: **175g**, Ends x Picks/10cm: 67x67, Warp Yarn: 127Tex, Weft Yarn: 127Tex, Weave: Plain, Thickness: 0.25mm, Coil width 1000 mm Length : 0.5 m to 2 m

AR303561 Weight.m⁻²: **218g**, Ends x Picks/10cm: 67x67, Warp Yarn: 158Tex, Weft Yarn: 158Tex, Weave: Plain, Thickness: 0.3mm, Coil width 1000 mm Length : 0.5 m to 1 m

AR303562 Weight.m⁻²: **220g**, Ends x Picks/10cm: 65x65, Warp Yarn: 162Tex, Weft Yarn: 162Tex, Weave: Plain, Thickness: 0.3mm, Coil width 1200 mm Length : 0.5 m to 2 m



Fiber

AR305722 Tex Number: **22**, Filament Diameter: 0.017mm, Number of Filaments: 70, Type: Kevlar 29[®]

AR305745 Tex Number: **44**, Filament Diameter: 0.012mm, Number of Filaments: 267, Type: Kevlar 29[®]

AR305744 Tex Number: **44**, Filament Diameter: 0.018mm, Number of Filaments: 120, Type: Kevlar 29[®]

AR305768 Tex Number: **161**, Filament Diameter: 0.012mm, Number of Filaments: 1000, Type: Twaron[®] 2200

AR305767 Tex Number: **167**, Filament Diameter: 0.012mm, Number of Filaments: 1000, Type: Kevlar 29[®]

AR305779 Tex Number: **790**, Filament Diameter: 0.012mm, Number of Filaments: 5000, Type: Kevlar 49[®]

AR305783 Tex Number: **830**, Cord diameter: 0.8mm, Condition: Braided Cord

AR305762 Tex Number: **6250**, Cord diameter: 3mm, Condition: Braided Cord

Polyaramid (Polymetaphenylene isophthalamide)

Nomex



Film

AR311050 Thickness: **0.05mm**, Type: T410, Condition: Calendered paper, Coil width 915 mm, Size: 150x150 mm to 300x300 mm

AR311310 Thickness: **0.13mm**, Type: T418, Condition: Contains 50% mica by weight, Coil width 30 mm Length : 1 m to 10 m

AR311300 Thickness: **0.13mm**, Type: T411, Condition: Uncalendered paper, Coil width 33 mm Length : 1 m to 20 m

AR311250 Thickness: **0.25mm**, Type: T410, Condition: Calendered paper, Coil width 118 mm Length : 0.5 m to 5 m

AR311251 Thickness: **0.25mm**, Type: T410, Condition: Calendered paper, Coil width 914 mm, Size: 150x150 mm to 300x300 mm

AR311360 Thickness: **0.36mm**, Type: T418, Condition: Contains 50% mica by weight, Size: 150x150 mm to 300x300 mm

AR311380 Thickness: **0.38mm**, Type: T411, Condition: Uncalendered paper, Coil width 55 mm Length : 1 m to 50 m

AR311381 Thickness: **0.38mm**, Type: T411, Condition: Uncalendered paper, Coil width 965 mm Length : 0.5 m to 5 m

AR311450 Thickness: **0.76mm**, Type: T410, Condition: Calendered paper, Coil width 63.5 mm Length : 0.5 m to 5 m



Honeycomb

AR312610 Thickness: **5mm**, Cell size: 3mm, Adhesive (Resin): Phenolic, Core Density: 0.048g.cm⁻³, Cell Wall: 0.05mm, Size: 300x300 mm to 600x600 mm

AR312710 Thickness: **5mm**, Cell size: 5mm, Adhesive (Resin): Phenolic, Core Density: 0.032g.cm⁻³, Cell Wall: 0.05mm, Size: 300x300 mm to 600x600 mm

AR312715 Thickness: **5mm**, Cell size: 5mm, Adhesive (Resin): Phenolic, Core Density: 0.064g.cm⁻³, Cell Wall: Approx. 0.09mm, Size: 300x300 mm to 600x600 mm

AR312810 Thickness: **5mm**, Cell size: 6mm, Adhesive (Resin): Phenolic, Core Density: 0.024g.cm⁻³, Cell Wall: 0.05mm, Size: 300x300 mm to 600x600 mm

AR312620 Thickness: **10mm**, Cell size: 3mm, Adhesive (Resin): Phenolic, Core Density: 0.048g.cm⁻³, Cell Wall: 0.05mm, Size: 300x300 mm to 600x600 mm

AR312720 Thickness: **10mm**, Cell size: 5mm, Adhesive (Resin): Phenolic, Core Density: 0.032g.cm⁻³, Cell Wall: 0.05mm, Size: 300x300 mm to 600x600 mm

AR312725 Thickness: **10mm**, Cell size: 5mm, Adhesive (Resin): Phenolic, Core Density: 0.064g.cm⁻³, Cell Wall: Approx. 0.09mm, Size: 300x300 mm to 600x600 mm

AR312820 Thickness: **10mm**, Cell size: 6mm, Adhesive (Resin): Phenolic, Core Density: 0.024g.cm⁻³, Cell Wall: 0.05mm, Size: 300x300 mm to 600x600 mm

AR312650 Thickness: **20mm**, Cell size: 3mm, Adhesive (Resin): Phenolic, Core Density: 0.048g.cm⁻³, Cell Wall: 0.05mm, Size: 300x300 mm to 600x600 mm

AR312750 Thickness: **20mm**, Cell size: 5mm, Adhesive (Resin): Phenolic, Core Density: 0g.cm⁻³, Cell Wall: 0.05mm, Size: 300x300 mm

AR312755 Thickness: **20mm**, Cell size: 5mm, Adhesive (Resin): Phenolic, Core Density: 0.064g.cm⁻³, Cell Wall: Approx. 0.09mm, Size: 300x300 mm

AR312850 Thickness: **20mm**, Cell size: 6mm, Adhesive (Resin): Phenolic, Core Density: 0.024g.cm⁻³, Cell Wall: 0.05mm, Size: 300x300 mm to 600x600 mm

Polymers



Sheet

- AR313110** Thickness: **1.0mm**, Condition: Pressboard, Type: T994 - High density Pressboard, Size: 150x150 mm to 300x300 mm
- AR313100** Thickness: **1.0mm**, Condition: Pressboard, Type: T993 - Medium density Pressboard, Size: 100x100 mm to 500x500 mm
- AR313150** Thickness: **1.5mm**, Condition: Pressboard, Type: T992 - Low density Pressboard, Size: 100x100 mm to 500x500 mm
- AR313310** Thickness: **3.0mm**, Condition: Pressboard, Type: T994 - High density Pressboard, Size: 150x150 mm to 300x300 mm
- AR313300** Thickness: **3.0mm**, Condition: Pressboard, Type: T993 - Medium density Pressboard, Size: 140x150 mm to 300x300 mm
- AR313450** Thickness: **9.6mm**, Condition: Pressboard, Type: T994 - High density Pressboard, Size: 150x150 mm to 300x300 mm



Fiber

- AR315722** Tex Number: **22**, Filament Diameter: 0.01mm, Number of Filaments: 100



Chopped Fiber

- AR316575** Nominal Diameter: **0.012mm**, Fiber length: 75mm

Polybenzimidazole (PBI)

Celazole



Sheet

- BI303130** Thickness: **12mm**, Color: Black, Size: 25x25 mm to 100x100 mm



Rod

- BI307910** Diameter: **9.5mm**, Color: Black, Length: 25 mm to 100 mm
- BI307915** Diameter: **12.7mm**, Color: Black, Length: 25 mm to 100 mm
- BI307925** Diameter: **25mm**, Color: Black, Length: 10 mm to 50 mm
- BI307938** Diameter: **38mm**, Color: Black, Length: 10 mm to 50 mm
- BI307940** Diameter: **41mm**, Color: Black, Length: 23 mm

Polybutylene terephthalate (PBT)

Celanex, Orgater, Valox



Film

- ES341050** Thickness: **0.55mm**, Coil width 300 mm, Size: 150x150 mm to 300x300 mm



Sheet

- ES343150** Thickness: **2.0mm**, Size: 60x60 mm
- ES343200** Thickness: **9.5mm**, Size: 150x150 mm to 300x300 mm



Monofilament

- ES345910** Diameter: **0.18mm**
- ES345930** Diameter: **0.8mm**



Rod

- ES347910** Diameter: **6.35mm**, Length: 500 mm to 1000 mm
- ES347920** Diameter: **12.7mm**, Length: 500 mm to 1000 mm
- ES347925** Diameter: **25.4mm**, Length: 200 mm to 1000 mm



Granule

- ES346310** Nominal Granule Size: **5mm**

Polybutylene terephthalate - 30% Glass Fiber Reinforced (PBT 30% GFR)

Celanex, Orgater, Valox



Rod

- ES357920** Diameter: **20 mm**, Condition: Machining feedstock, Length: 100 mm to 1000 mm
- ES357930** Diameter: **30 mm**, Condition: Machining feedstock, Length: 100 mm to 1000 mm

Polycarbonate (PC)

Lexan, Makrofol, Makrolon



Film

- CT301025** Thickness: **0.002mm**, Grade - Makrofol KG[®]: monoaxially oriented and crystallized, Size: 210x290 mm
- CT301020** Thickness: **0.002mm**, Coil width 465 mm, Size: 150x150 mm to 300x300 mm
- CT301030** Thickness: **0.003mm**, Grade - Makrofol KG[®]: monoaxially oriented and crystallized, Size: 100x100 mm to 300x300 mm
- CT301060** Thickness: **0.006mm**, Coil width 300 mm, Size: 150x150 mm to 300x300 mm
- CT301210** Thickness: **0.02mm**, Color: Yellow, Grade - Makrofol N[®]: cast isotropic, Coil width 600 mm, Size: 100x100 mm to 600x600 mm
- CT301305** Thickness: **0.125mm**, Grade - DE 1: extruded isotropic, Coil width 610 mm, Size: 100x100 mm to 600x600 mm
- CT301310** Thickness: **0.175mm**, Grade - DE 1: extruded isotropic, Size: 150x150 mm to 600x600 mm
- CT301326** Thickness: **0.25mm**, Color: White, Coil width 600 mm, Size: 150x150 mm to 300x300 mm
- CT301325** Thickness: **0.25mm**, Size: 100x100 mm to 600x600 mm
- CT301340** Thickness: **0.375mm**, Size: 100x100 mm to 500x500 mm
- CT301350** Thickness: **0.5mm**, Size: 100x100 mm to 600x600 mm
- CT301351** Thickness: **0.5mm**, Color: White, Coil width 600 mm, Size: 150x150 mm to 300x300 mm



Metallized Film

- CT301820** Thickness: **0.002mm**, Ohms/Square: 4, Metallized with: Aluminum, Coil width 160 mm, Size: 100x100 mm to 160x300 mm



Sheet

- CT303050** Thickness: **1.0mm**, Size: 150x150 mm to 600x600 mm
- CT303100** Thickness: **2.0mm**, Size: 150x150 mm to 500x500 mm
- CT303150** Thickness: **5.0mm**, Size: 150x150 mm to 500x500 mm
- CT303350** Thickness: **10.0mm**, Size: 112x122 mm to 300x300 mm
- CT303400** Thickness: **12.0mm**, Size: 150x150 mm to 300x300 mm

Polymer

CT303451 Thickness: **25mm**, Size: 150x150 mm to 300x300 mm

CT303450 Thickness: **2.5 mm**, Condition: Machining feedstock, Size: 150x150 mm to 300x300 mm



Rod

CT307903 Diameter: **3 mm**, Condition: Machining feedstock, Length: 100 mm

CT307906 Diameter: **6 mm**, Condition: Machining feedstock, Length: 100 mm to 1000 mm

CT307910 Diameter: **10 mm**, Condition: Machining feedstock, Length: 100 mm to 1000 mm

CT307925 Diameter: **2.5 mm**, Condition: Machining feedstock, Length: 100 mm to 1000 mm

CT307950 Diameter: **50 mm**, Condition: Machining feedstock, Length: 100 mm to 1000 mm

CT307980 Diameter: **100 mm**, Condition: Machining feedstock, Length: 50 mm to 500 mm

CT307990 Diameter: **150 mm**, Condition: Machining feedstock, Length: 50 mm to 500 mm



Tube

CT307400 Outside Diameter: **9.5mm**, Wall Thickness: 1.5mm, Inside Diameter: 6.5mm, Length: 500 mm to 1000 mm

CT307500 Outside Diameter: **20mm**, Wall Thickness: 2mm, Inside Diameter: 16mm, Length: 200 mm to 1000 mm



Granule

CT306310 Nominal Granule Size: **3mm**, Additives: Heat stabilizer only

Polycarbonate - 30% Carbon Fiber Reinforced (PC - 30% CFR)



Granule

CT356310 Nominal Granule Size: **3mm**, Color: Black

Polycarbonate - 30% Glass Fiber Filled (PC - 30% GFR)



Rod

CT337920 Diameter: **20mm**, Length: 100 mm to 1000 mm

Polycarbonate - Conductive (PC)

Makrofol, Pokalon C



Film

CT311014 Thickness: **0.014mm**, Size: 150x150 mm

Polychlorotrifluoroethylene (PCTFE)

Kel-F, Neoflon



Sheet

FP353010 Thickness: **1.2mm**, Size: 150x150 mm to 300x300 mm

FP353020 Thickness: **2.0mm**, Size: 150x150 mm to 300x300 mm



Rod

FP357905 Diameter: **1.6mm**, Length: 900 mm

FP357910 Diameter: **3.2mm**, Length: 900 mm

FP357920 Diameter: **4.8mm**, Length: 300 mm to 900 mm

FP357930 Diameter: **6.35mm**, Length: 300 mm to 900 mm

FP357940 Diameter: **9.5mm**, Length: 300 mm to 900 mm

FP357950 Diameter: **12.7mm**, Length: 300 mm to 900 mm

FP357960 Diameter: **25.4mm**, Length: 150 mm to 300 mm

Polyetheretherketone (PEEK)

Victrex, Zyx



Film

EK301006 Thickness: **0.006 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

EK301012 Thickness: **0.012 mm**, Color: Transparent pale amber, Condition: Amorphous, Size: 150x150 mm to 300x300 mm

EK301025 Thickness: **0.025 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

EK301038 Thickness: **0.038 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 650 mm, Size: 150x150 mm to 300x300 mm

EK301050 Thickness: **0.05 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

EK301075 Thickness: **0.075 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

EK301100 Thickness: **0.1 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

EK301125 Thickness: **0.125 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 550 mm, Size: 150x150 mm to 300x300 mm

EK301200 Thickness: **0.20 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 630 mm, Size: 150x150 mm to 300x300 mm

EK301250 Thickness: **0.25 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 650 mm, Size: 100x100 mm to 300x300 mm

EK301400 Thickness: **0.50mm**, Color: Opaque gray, Condition: Semi-crystalline, Coil width 620 mm, Size: 100x100 mm to 300x300 mm



Sheet

EK303010 Thickness: **1.0mm**, Color: Opaque gray, Condition: Semi-crystalline, Size: 150x150 mm to 450x600 mm

EK303450 Thickness: **5.5mm**, Condition: Semi-crystalline, Size: 150x150 mm



Mesh

EK308703 Nominal Aperture: **280µm**, Monofil diameter: 120µm, Threads/cm: 25, Open area: 49%, Type: Plain weave mesh, Size: 150x150 mm to 300x300 mm

Polymers

EK308704 Nominal Aperture: **300μm**, Monofil diameter: 200μm, Threads/cm: 19, Open area: 36%, Type: Plain weave mesh, Size: 150x150 mm to 600x600 mm

EK308705 Nominal Aperture: **450μm**, Monofil diameter: 200μm, Threads/cm: 13.5, Open area: 48%, Type: Plain weave mesh, Size: 125x125 mm to 500x500 mm

EK308710 Nominal Aperture: **1100μm**, Monofil diameter: 400μm, Threads/cm: 6.3, Open area: 54%, Type: Plain weave mesh, Size: 125x125 mm to 500x500 mm



Fiber

EK305723 Tex Number: **23**, Filament Diameter: 0.034mm, Number of Filaments: 30



Monofilament

EK305915 Diameter: **0.15mm**, Condition: Type C, pigmented

EK305920 Diameter: **0.2mm**, Condition: Type A

EK305945 Diameter: **0.45mm**, Condition: Type C, additive free

EK305990 Diameter: **0.9mm**, Condition: Type A

EK305995 Diameter: **1.2mm**, Condition: Type B



Rod

EK307910 Diameter: **10mm**, Color: Opaque gray, Condition: Semi-crystalline, Length: 100 mm to 1000 mm

EK307925 Diameter: **25mm**, Color: Opaque gray, Condition: Semi-crystalline, Length: 100 mm to 1000 mm

EK307950 Diameter: **50mm**, Color: Opaque gray, Condition: Semi-crystalline, Length: 50 mm to 200 mm

EK307980 Diameter: **100mm**, Color: Opaque gray, Condition: Semi-crystalline, Length: 50 mm to 200 mm



Tube

EK307115 Outside Diameter: **1.15mm**, Wall Thickness: 0.175mm, Color: Transparent pale amber, Inside Diameter: 0.8mm, Length: 200 mm to 1000 mm

EK307160 Outside Diameter: **1.6mm**, Wall Thickness: 0.675mm, Color: Opaque gray, Inside Diameter: 0.25mm, Length: 200 mm to 1000 mm

EK307165 Outside Diameter: **1.6mm**, Wall Thickness: 0.3mm, Color: Opaque gray, Inside Diameter: 1mm, Length: 200 mm to 1000 mm

EK307170 Outside Diameter: **1.6mm**, Wall Thickness: 0.1mm, Color: Transparent pale amber, Inside Diameter: 1.4mm, Length: 200 mm to 1000 mm

EK307200 Outside Diameter: **3.2mm**, Wall Thickness: 0.6mm, Color: Opaque gray, Inside Diameter: 2mm, Length: 200 mm to 1000 mm

EK307225 Outside Diameter: **3.9mm**, Wall Thickness: 0.5mm, Color: Opaque gray, Inside Diameter: 2.9mm, Length: 500 mm to 1000 mm

EK307235 Outside Diameter: **4.6mm**, Wall Thickness: 0.4mm, Color: Opaque gray, Inside Diameter: 3.8mm, Length: 500 mm to 1000 mm



Powder

EK306010 Mean Particle size: **80micron**



Granule

EK306300 Nominal Granule Size: **6mm**

EK306301 Nominal Granule Size: **6mm**, Condition: High viscosity

EK306302 Nominal Granule Size: **6mm**, Condition: Medium viscosity, Condition: Lubricated grade

Polyetherimide (PEI)

Ultem



Film

EI311025 Thickness: **0.025mm**, Color: Clear amber, Coil width 610 mm, Size: 150x150 mm to 600x600 mm

EI311050 Thickness: **0.05mm**, Color: Clear amber, Coil width 660 mm, Size: 150x150 mm to 600x600 mm

EI311225 Thickness: **0.175mm**, Color: Clear amber, Coil width 610 mm, Size: 150x150 mm to 600x600 mm

EI311250 Thickness: **0.25mm**, Color: Clear amber, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

EI311350 Thickness: **0.50mm**, Color: Clear amber, Coil width 665 mm, Size: 150x150 mm to 600x600 mm



Sheet

EI313020 Thickness: **1.6mm**, Color: Clear amber, Size: 150x150 mm to 600x600 mm

EI313040 Thickness: **3.6mm**, Color: Black, Size: 155x155 mm

EI313060 Thickness: **6.4mm**, Color: Clear amber, Size: 100x100 mm to 300x300 mm



Rod

EI317906 Diameter: **6.4mm**, Color: Clear amber, Length: 100 mm to 1000 mm

EI317912 Diameter: **12.7mm**, Color: Clear amber, Length: 100 mm to 1000 mm

EI317925 Diameter: **25mm**, Color: Clear amber, Length: 100 mm to 1000 mm



Tube

EI317200 Outside Diameter: **2.3mm**, Wall Thickness: 0.7mm, Color: Clear amber, Inside Diameter: 0.9mm, Length, Length: 1 m to 20 m



Granule

EI316300 Nominal Granule Size: **3mm**, Color: Natural

Polyetherketoneketone (PEKK)



Granule

EK316300 Nominal Granule Size: **3mm**, Color: Natural, Condition: Semi-crystalline, Condition: Injection moulding grade

Polyethersulfone (PES)

Ultrason E, Victrex



Film

SU301025 Thickness: **0.025mm**, Color: Clear amber, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

SU301050 Thickness: **0.05mm**, Color: Clear amber, Coil width 550 mm, Size: 210x300 mm

Polymers

SU301100 Thickness: **0.1mm**, Color: Clear amber, Coil width 530 mm Length : 0.2 m to 2 m

SU301125 Thickness: **0.125mm**, Color: Clear amber, Coil width 570 mm Length : 0.2 m to 1 m

SU301250 Thickness: **0.25mm**, Color: Clear amber, Coil width 374 mm, Size: 100x100 mm to 300x300 mm

SU301300 Thickness: **0.50mm**, Color: Clear amber, Coil width 670 mm, Size: 150x150 mm to 300x300 mm



Sheet

SU303300 Thickness: **3.175mm**, Color: Clear amber, Size: 50x50 mm to 300x300 mm

SU303350 Thickness: **6.35mm**, Color: Clear amber, Size: 150x150 mm to 300x300 mm

SU303400 Thickness: **10.0mm**, Color: Clear amber, Size: 100x100 mm to 150x150 mm

SU303450 Thickness: **25.4mm**, Color: Clear amber, Size: 150x150 mm to 300x300 mm



Rod

SU307920 Diameter: **20mm**, Color: Clear amber, Length: 100 mm to 1000 mm

SU307950 Diameter: **50mm**, Color: Clear amber, Length: 50 mm to 500 mm

SU307980 Diameter: **100mm**, Color: Clear amber, Length: 25 mm to 85 mm



Granule

SU306300 Nominal Granule Size: **3mm**, Color: Black

SU306311 Nominal Granule Size: **3mm**, Color: Clear amber, Condition: Medium viscosity

Polyethylene - Carbon filled (PE)



Film

ET331080 Thickness: **0.08mm**, Condition: Conductive polymer, Coil width 800 mm, Size: 100x100 mm to 500x500 mm

Polyethylene - High density (HDPE)

Hostalen HD, Lacqtene HD, Lupolen, Rigidex, Stamylan HD



Film

ET321010 Thickness: **0.01mm**, Coil width 600 mm, Size: 100x100 mm to 600x600 mm



Sheet

ET323100 Thickness: **1mm**, Size: 150x150 mm to 500x500 mm

ET323200 Thickness: **2mm**, Size: 150x150 mm to 300x300 mm

ET323250 Thickness: **3mm**, Size: 150x150 mm to 300x300 mm

ET323280 Thickness: **5mm**, Size: 150x150 mm to 300x300 mm

ET323300 Thickness: **10mm**, Size: 150x150 mm to 300x300 mm

ET323320 Thickness: **12mm**, Size: 150x150 mm to 300x300 mm

ET323340 Thickness: **15mm**, Size: 150x150 mm to 300x300 mm

ET323360 Thickness: **20mm**, Size: 150x150 mm to 300x300 mm

ET323380 Thickness: **25mm**, Size: 150x150 mm to 300x300 mm



Rod

ET327910 Diameter: **10mm**, Length: 100 mm to 1000 mm

ET327925 Diameter: **25mm**, Length: 100 mm to 1000 mm

ET327950 Diameter: **50mm**, Length: 100 mm to 1000 mm

ET327980 Diameter: **100mm**, Length: 100 mm to 1000 mm

ET327990 Diameter: **150mm**, Length: 50 mm to 1000 mm



Tube

ET327450 Outside Diameter: **48mm**, Wall Thickness: 1.1mm, Color: Yellow, Inside Diameter: 45.8mm, Condition: Biaxially Oriented tube, Length: 100 mm to 500 mm

ET327630 Outside Diameter: **63mm**, Wall Thickness: 3mm, Color: Yellow, Inside Diameter: 57mm, Condition: Biaxially Oriented tube, Length: 100 mm to 500 mm



Granule

ET326300 Nominal Granule Size: **3mm**, Color: Natural, Melt Flow Rate (MFR): 0.3

ET326310 Nominal Granule Size: **5mm**

ET326320 Nominal Granule Size: **5mm**

Polyethylene - Low Density (LDPE)

Alkathene, Carlona, Lacqtene, Lupolen, Stamylan LD



Film

ET311115 Thickness: **0.015mm**, Coil width 500 mm, Size: 150x150 mm to 500x500 mm

ET311126 Thickness: **0.025mm**, Coil width 600 mm Length : 0.5 m to 10 m

ET311130 Thickness: **0.03mm**, Coil width 900 mm, Size: 150x150 mm to 600x900 mm

ET311150 Thickness: **0.05mm**, Size: 150x150 mm to 300x300 mm

ET311151 Thickness: **0.05mm**, Condition: Additive free polymer, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

ET311201 Thickness: **0.1mm**, Condition: Additive free polymer, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

ET311250 Thickness: **0.125mm**, Size: 150x150 mm to 300x300 mm

ET311251 Thickness: **0.15mm**, Condition: Additive free polymer, Coil width 600 mm Length : 0.5 m to 10 m

ET311301 Thickness: **0.18mm**, Condition: Additive free polymer, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

ET311300 Thickness: **0.2mm**, Size: 150x150 mm to 300x300 mm

ET311351 Thickness: **0.23mm**, Condition: Additive free polymer, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

ET311350 Thickness: **0.25mm**, Size: 100x100 mm to 300x300 mm

ET311452 Thickness: **0.5mm**, Color: Colorless, Coil width 920 mm, Size: 150x150 mm to 900x900 mm

ET311470 Thickness: **0.75mm**, Color: Colorless, Coil width 920 mm, Size: 150x150 mm to 900x900 mm



Sheet

ET313010 Thickness: **1.0mm**, Size: 150x150 mm to 600x600 mm

Polymers

ET313023 Thickness: **2.3mm**, Condition: Stress relieved, Size: 150x150 mm to 600x600 mm

ET313048 Thickness: **4.8mm**, Condition: Stress relieved, Size: 150x150 mm to 600x600 mm



Fiber

ET315710 Tex Number: **110**, Filament Diameter: 0.044mm, Number of Filaments: 90, Condition: Multi-filament Yarn, Condition: Textile grade



Rod

ET317910 Diameter: **6.35mm**, Color: Natural, Length: 100 mm to 1000 mm

ET317920 Diameter: **12.7mm**, Color: Natural, Length: 100 mm to 1000 mm

ET317940 Diameter: **25.4mm**, Color: Natural, Length: 100 mm to 1000 mm

ET317960 Diameter: **50.8mm**, Color: Natural, Length: 100 mm to 1000 mm

ET317970 Diameter: **76.2mm**, Color: Natural, Length: 100 mm to 500 mm

ET317990 Diameter: **101.6mm**, Color: Natural, Length: 50 mm to 200 mm

ET317992 Diameter: **114mm**, Color: Natural, Length: 50 mm to 200 mm

ET317995 Diameter: **203.2mm**, Color: Natural, Length: 50 mm to 100 mm

ET317998 Diameter: **254mm**, Color: Natural, Length: 50 mm to 100 mm



Tube

ET317100 Outside Diameter: **1.1mm**, Wall Thickness: 0.35mm, Inside Diameter: 0.4mm, Length: 1 m to 20 m

ET317150 Outside Diameter: **1.5mm**, Wall Thickness: 0.3mm, Inside Diameter: 0.9mm, Length: 1 m to 20 m

ET317240 Outside Diameter: **2.4mm**, Wall Thickness: 0.35mm, Inside Diameter: 1.7mm, Length: 1 m to 20 m

ET317640 Outside Diameter: **6.4mm**, Wall Thickness: 1.1mm, Inside Diameter: 4.2mm, Length: 1 m to 20 m

ET317690 Outside Diameter: **12.7mm**, Wall Thickness: 1.6mm, Inside Diameter: 9.5mm, Length: 1 m to 20 m



Powder

ET316050 Mean Particle size: **1000micron**



Granule

ET316300 Nominal Granule Size: **5mm**

ET316310 Nominal Granule Size: **5mm**

Polyethylene - Medium Density (MDPE)



Powder

EV306010 Max. Particle size: **350micron**

Polyethylene - U.H.M.W. (UHMW PE)

Hostalen GUR, Stamylen UH



Film

ET301075 Thickness: **0.075mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

ET301200 Thickness: **0.2mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

ET301400 Thickness: **0.5mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm



Sheet

ET303060 Thickness: **1.2mm**, Size: 150x150 mm to 300x300 mm

ET303100 Thickness: **2.0mm**, Size: 100x100 mm to 500x500 mm

ET303130 Thickness: **3.15mm**, Size: 100x100 mm to 500x500 mm

ET303250 Thickness: **5.0mm**, Size: 100x100 mm to 300x300 mm

ET303400 Thickness: **10.0mm**, Size: 100x100 mm to 300x300 mm

ET303450 Thickness: **25.0mm**, Size: 150x150 mm to 300x300 mm



Fabric

ET303510 Weight.m⁻²: **88g**, Ends x Picks/10cm: 177x177, Warp Yarn: 24Tex, Weft Yarn: 24Tex, Weave: Plain, Thickness: 0.15mm, Condition: Woven from Spectra[®] 1000., Size: 300x300 mm

ET303530 Weight.m⁻²: **95g**, Ends x Picks/10cm: 67x67, Warp Yarn: 133Tex, Weft Yarn: 133Tex, Weave: Plain, Thickness: 0.28mm, Size: 150x150 mm to 300x300 mm

ET303540 Weight.m⁻²: **186g**, Ends x Picks/10cm: 126x126, Warp Yarn: 72Tex, Weft Yarn: 72Tex, Weave: 4-end Satin, Thickness: 0.38mm, Size: 150x150 mm to 300x300 mm

ET303560 Weight.m⁻²: **186g**, Ends x Picks/10cm: 67x67, Warp Yarn: 133Tex, Weft Yarn: 133Tex, Weave: Plain, Thickness: 0.45mm, Size: 150x150 mm to 300x300 mm

ET303580 Weight.m⁻²: **248g**, Ends x Picks/10cm: 83x91, Warp Yarn: 133Tex, Weft Yarn: 133Tex, Weave: 8 end Satin, Thickness: 0.45mm, Size: 150x150 mm to 1000x1000 mm



Fiber

ET305711 Tex Number: **145**, Filament Diameter: 0.012mm, Number of Filaments: 1300, Condition: Multi-filament Yarn

ET305710 Tex Number: **176**, Filament Diameter: 0.012mm, Number of Filaments: 1600, Condition: Multi-filament Yarn

ET305720 Tex Number: **1670**, Cord diameter: 1.5mm, Condition: Braided Cord

ET305740 Tex Number: **26720**, Cord diameter: 6mm, Condition: Braided Cord, Condition: Supplied with a Polyester overbraid



Rod

ET307930 Diameter: **6.35mm**, Condition: Machined, Length: 100 mm to 1000 mm

ET307970 Diameter: **9.52mm**, Condition: Machined, Length: 100 mm to 1000 mm

ET307990 Diameter: **15.87mm**, Condition: Machined, Length: 100 mm to 1000 mm

ET307992 Diameter: **25mm**, Length: 100 mm to 1000 mm

ET307994 Diameter: **50mm**, Length: 100 mm to 1000 mm

ET307996 Diameter: **100mm**, Length: 100 mm to 200 mm

ET307999 Diameter: **152.4mm**, Length: 50 mm to 200 mm

Polymers



Powder

ET306010 Mean Particle size: **150micron**



Granule

ET306300 Nominal Granule Size: **2mm**, Color: Natural, Condition: Injection moulding grade

Polyethylene naphthalate (PEN)

Kaladex, Kalidar



Film

ES361010 Thickness: **0.0013mm**, Condition: Biaxially Oriented, Coil width 315 mm, Size: 150x150 mm to 300x300 mm

ES361015 Thickness: **0.012mm**, Condition: Biaxially Oriented, Coil width 630 mm, Size: 150x150 mm to 300x300 mm

ES361025 Thickness: **0.025mm**, Condition: Biaxially Oriented, Coil width 625 mm, Size: 150x150 mm to 300x300 mm

ES361050 Thickness: **0.05mm**, Condition: Biaxially Oriented, Coil width 620 mm, Size: 150x150 mm to 300x300 mm

ES361075 Thickness: **0.075mm**, Condition: Biaxially Oriented, Coil width 680 mm, Size: 150x150 mm to 300x300 mm

ES361090 Thickness: **0.125mm**, Condition: Biaxially Oriented, Coil width 300 mm, Size: 125x150 mm to 300x300 mm

ES361150 Thickness: **0.25mm**, Condition: Biaxially Oriented, Coil width 300 mm, Size: 150x150 mm to 300x300 mm



Laminate

ES361620 Thickness: **0.047mm**, Polymer Thickness: 0.012mm, Backing Material: 0.018mm Copper, Adhesive: Polyurethane, Coil width 500 mm, Size: 250x250 mm to 500x500 mm

ES361621 Thickness: **0.050mm**, Polymer Thickness: 0.012mm, Backing Material: 0.025mm Aluminium, Adhesive: Epoxy, Coil width 500 mm, Size: 250x250 mm to 500x500 mm



Rod

ES367940 Diameter: **18mm**, Color: Black, Length: 100 mm to 1000 mm

ES367950 Diameter: **25mm**, Color: Black, Length: 50 mm to 500 mm



Granule

ES366300 Nominal Granule Size: **5mm**, Condition: Additive free polymer

Polyethylene terephthalate (Polyester, PET, PETP)

Arnite, Dacron, Hostaphan, Impet, Melinar, Melinex, Mylar, Rynite, Terylene, Trevira



Film

ES301005 Thickness: **0.0005mm**, Condition: Biaxially Oriented, Coil width 315 mm Length : 0.1 m to 5 m

ES301007 Thickness: **0.0007mm**, Condition: Biaxially Oriented, Coil width 315 mm Length : 0.1 m to 5 m

ES301009 Thickness: **0.0009mm**, Condition: Biaxially Oriented, Coil width 315 mm Length : 0.1 m to 5 m

ES301015 Thickness: **0.0015mm**, Condition: Biaxially Oriented, Coil width 297 mm Length : 0.5 m to 5 m

ES301025 Thickness: **0.0025mm**, Condition: Biaxially Oriented, Coil width 315 mm Length : 0.5 m to 5 m

ES301030 Thickness: **0.003mm**, Condition: Biaxially Oriented, Coil width 300 mm Length : 0.5 m to 5 m

ES301035 Thickness: **0.0035mm**, Condition: Biaxially Oriented, Coil width 490 mm Length : 0.5 m to 5 m

ES301061 Thickness: **0.006mm**, Condition: Biaxially Oriented, Coil width 315 mm Length : 0.5 m to 20 m

ES301130 Thickness: **0.013mm**, Condition: Biaxially Oriented, Coil width 300 mm Length : 0.5 m to 20 m

ES301230 Thickness: **0.023mm**, Condition: Biaxially Oriented, Coil width 300 mm Length : 0.5 m to 20 m

ES301250 Thickness: **0.05mm**, Condition: Biaxially Oriented, Coil width 600 mm, Size: 150x150 mm to 600x600 mm

ES301300 Thickness: **0.075mm**, Condition: Biaxially Oriented, Coil width 600 mm, Size: 150x150 mm to 600x600 mm

ES301401 Thickness: **0.1mm**, Color: Black, Condition: Biaxially Oriented, Size: 210x297 mm

ES301400 Thickness: **0.1mm**, Condition: Biaxially Oriented, Coil width 600 mm Length : 0.5 m to 10 m

ES301425 Thickness: **0.125mm**, Condition: Biaxially Oriented, Coil width 600 mm, Size: 300x300 mm

ES301440 Thickness: **0.175mm**, Condition: Biaxially Oriented, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

ES301451 Thickness: **0.25mm**, Color: Opaque white, Condition: Biaxially Oriented, Condition: Printable both sides, Size: 210x295 mm

ES301445 Thickness: **0.25mm**, Condition: Amorphous, Coil width 600 mm, Size: 300x300 mm

ES301450 Thickness: **0.25mm**, Condition: Biaxially Oriented, Coil width 600 mm, Size: 300x300 mm to 600x600 mm

ES301455 Thickness: **0.3mm**, Condition: Amorphous, Coil width 480 mm, Size: 240x240 mm

ES301465 Thickness: **0.35mm**, Condition: Amorphous, Size: 100x100 mm to 150x150 mm

ES301460 Thickness: **0.35mm**, Condition: Biaxially Oriented, Coil width 600 mm, Size: 332x345 mm

ES301485 Thickness: **0.50mm**, Condition: Biaxially Oriented, Coil width 600 mm Length : 0.5 m to 5 m



Metallized Film

ES301820 Thickness: **0.002mm**, Ohms/Square: 1.5, Metallized with: Aluminum, Metallized width: 305mm, Coil width 315 mm Length : 0.2 m to 2 m

ES301835 Thickness: **0.0035mm**, Ohms/Square: 1.5, Metallized with: Aluminum, Coil width 300 mm Length : 0.5 m to 10 m

ES301840 Thickness: **0.004mm**, Ohms/Square: 3, Metallized with: Aluminum, Coil width 9 mm Length : 1 m to 10 m

Polymers

ES301855 Thickness: **0.005mm**, Ohms/Square: 1.5, Metallized with: Aluminum, Metallized width: 305mm, Coil width 315 mm Length : 0.5 m to 10 m

ES301865 Thickness: **0.006mm**, Ohms/Square: 1.4, Metallized on both sides with: Aluminum (0.7 ohms/square), Metallized width: 305mm, Coil width 315 mm Length : 0.5 m to 10 m

ES301860 Thickness: **0.006mm**, Ohms/Square: 3, Metallized with: Aluminum, Coil width 27 mm Length : 1 m to 100 m

ES301912 Thickness: **0.012mm**, Ohms/Square: 2, Metallized with: Aluminum, Coil width 300 mm, Size: 150x150 mm to 300x300 mm

ES301913 Thickness: **0.012mm**, Ohms/Square: 2, Metallized with: Aluminum, Coil width 600 mm Length : 0.5 m to 2 m

ES301923 Thickness: **0.023mm**, Ohms/Square: 2, Metallized with: Aluminum, Coil width 300 mm, Size: 150x150 mm to 300x300 mm

ES301900 Thickness: **0.036mm**, Ohms/Square: >2500, Metallized with: Stainless Steel, Size: 150x150 mm to 1000x1000 mm

ES301920 Thickness: **0.036mm**, Ohms/Square: 25, Metallized with: StSt/Cu/StSt, Coil width 1500 mm, Size: 150x150 mm to 1000x1000 mm

ES301902 Thickness: **0.036mm**, Ohms/Square: 200, Metallized with: Stainless Steel, Size: 150x150 mm to 1000x1000 mm

ES301911 Thickness: **0.036mm**, Ohms/Square: 200, Metallized with: Titanium, Size: 150x150 mm to 1000x1000 mm

ES301901 Thickness: **0.036mm**, Ohms/Square: 700, Metallized with: Stainless Steel, Size: 150x150 mm to 1000x1000 mm

ES301910 Thickness: **0.036mm**, Ohms/Square: 700, Metallized with: Titanium, Size: 150x150 mm to 1000x1000 mm

ES301955 Thickness: **0.05mm**, Ohms/Square: 2, Metallized with: Aluminum, Coil width 540 mm, Size: 150x150 mm to 270x270 mm

ES301980 Thickness: **0.10mm**, Ohms/Square: 2, Metallized with: Aluminum, Coil width 610 mm, Size: 150x150 mm to 300x300 mm



Laminate

ES301520 Thickness: **0.06mm**, Polymer Thickness: 0.025mm, Backing Material: 0.018mm Copper, Coil width 610 mm, Size: 100x100 mm to 600x600 mm

ES301532 Thickness: **0.1mm**, Polymer Thickness: 0.05mm, Backing Material: 0.035mm Copper, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

ES301554 Thickness: **0.16mm**, Polymer Thickness: 0.075mm, Backing Material: 0.07mm Copper, Coil width 610 mm, Size: 100x100 mm to 300x300 mm



Sheet

ES303010 Thickness: **1mm**, Condition: Amorphous, Size: 150x150 mm to 600x600 mm

ES303020 Thickness: **2mm**, Condition: Amorphous, Size: 150x150 mm to 300x300 mm

ES303030 Thickness: **3mm**, Condition: Amorphous, Size: 150x150 mm to 300x300 mm

ES303050 Thickness: **5mm**, Size: 100x100 mm to 300x300 mm

ES303100 Thickness: **10mm**, Size: 150x150 mm to 300x300 mm

ES303250 Thickness: **25mm**, Size: 150x150 mm to 300x300 mm



Fabric

ES303520 Weight.m⁻²: **92g**, Ends x Picks/10cm: 157x157, Warp Yarn: 28Tex, Weft Yarn: 28Tex, Weave: Plain, Thickness: 0.13mm, Coil width 1470 mm, Size: 150x150 mm to 500x500 mm



Mesh

ES308704 Nominal Aperture: **21μm**, Monofil diameter: 41μm, Threads/cm: 163, Open area: 12%, Type: Plain weave mesh, Size: 250x250 mm to 500x500 mm

ES308710 Nominal Aperture: **100μm**, Monofil diameter: 70μm, Threads/cm: 55, Open area: 33%, Type: Plain weave mesh, Size: 250x250 mm to 500x500 mm



Fiber

ES305710 Tex Number: **3.3**, Filament Diameter: 0.014mm, Number of Filaments: 15, Condition: Medium Tenacity

ES305720 Tex Number: **7.4**, Filament Diameter: 0.017mm, Number of Filaments: 24, Condition: High Tenacity

ES305730 Tex Number: **110**, Filament Diameter: 0.023mm, Number of Filaments: 192, Condition: High Tenacity



Monofilament

ES305910 Diameter: **0.1mm**

ES305920 Diameter: **0.2mm**

ES305940 Diameter: **0.4mm**

ES305950 Diameter: **0.5mm**

ES305980 Diameter: **0.8mm**

ES305990 Diameter: **0.9mm**



Rod

ES307906 Diameter: **6mm**, Length: 500 mm to 1000 mm

ES307910 Diameter: **10mm**, Length: 500 mm to 1000 mm

ES307925 Diameter: **25mm**, Length: 100 mm to 1000 mm



Granule

ES306310 Nominal Granule Size: **3mm**

ES306311 Nominal Granule Size: **3mm**

Polyhydroxyalkaonate - Biopolymer (PHA)



Granule

PH326300 Nominal Granule Size: **3mm**

Polyhydroxybutyrate - Biopolymer (PHB)



Sheet

BU393130 Thickness: **1.35mm**, Grade: Technical Grade, Size: 25x25 mm

Polymers



Non-Woven Fabric

BU393710 Weight.m⁻²: **150g**, Grade: Research Grade, Thickness: 0.125mm, Size: 100x100 mm to 150x150 mm



Rod

BU397920 Diameter: **15mm**, Length: 100 mm to 1000 mm



Granule

BU396311 Nominal Granule Size: **5mm**

Polyhydroxybutyrate/ Polyhydroxyvalerate 2% - Biopolymer (Biopolymer)



Powder

BV336010 Max. Particle size: **300micron**

Polyhydroxybutyrate/ Polyhydroxyvalerate 8% - Biopolymer (PHB92/PHV 8)



Film

BV301010 Thickness: **0.01mm**, Coil width 420 mm, Size: 100x100 mm to 200x200 mm

BV301025 Thickness: **0.025mm**, Coil width 420 mm, Size: 100x100 mm to 200x200 mm

BV301050 Thickness: **0.05mm**, Coil width 840 mm, Size: 150x150 mm to 300x300 mm

Polyhydroxybutyrate/ Polyhydroxyvalerate 12% - Biopolymer (PHB88/PHV12)



Granule

BV326301 Nominal Granule Size: **5mm**, Condition: 10% Plasticised pellets (citric ester)

Polyimide (PI)

Kapton, Kinel, Upilex, Upimol, Vespel



Film

IM301130 Thickness: **0.013mm**, Grade: Kapton HN[®], Coil width 295 mm, Size: 100x100 mm to 300x300 mm

IM301202 Thickness: **0.025mm**, Adhesive coated tape: Total thickness : 0.06mm, Coil width 20 mm Length : 1 rolls to 2 rolls

IM301213 Thickness: **0.025mm**, Color: Black, Grade: Kapton MTB[®], Size: 50x50 mm

IM301214 Thickness: **0.025mm**, Color: Black, Grade: Kapton CB[®], Coil width 300 mm, Size: 100x100 mm to 300x300 mm

IM301212 Thickness: **0.025mm**, Grade: Kapton CR[®], Coil width 500 mm, Size: 100x100 mm to 250x250 mm

IM301210 Thickness: **0.025mm**, Grade: Kapton MT[®], Coil width 600 mm, Size: 100x100 mm to 600x600 mm

IM301200 Thickness: **0.025mm**, Grade: Kapton HN[®], Coil width 600 mm, Size: 100x100 mm to 300x300 mm

IM301219 Thickness: **0.030mm**, Color: Black, Grade: Kapton XC[®], Surface Resistivity: 10⁷ Ohm/sq., Coil width 300 mm, Size: 150x150 mm to 300x300 mm

IM301301 Thickness: **0.05mm**, Grade: Upilex, Coil width 500 mm, Size: 100x100 mm to 250x250 mm

IM301300 Thickness: **0.05mm**, Grade: Kapton HN[®], Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301402 Thickness: **0.075mm**, Grade: Kapton MT[®], Coil width 610 mm, Size: 150x150 mm to 300x300 mm

IM301400 Thickness: **0.075mm**, Grade: Kapton HN[®], Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301414 Thickness: **0.075mm**, Grade: Kapton KJ[®], Size: 100x100 mm to 200x200 mm

IM301450 Thickness: **0.125mm**, Grade: Kapton HN[®], Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301455 Thickness: **0.23mm**, Grade: Cirlex CL-HN, Size: 140x150 mm to 280x300 mm

IM301465 Thickness: **0.5mm**, Grade: Cirlex CL-HN, Size: 70x100 mm to 200x280 mm

IM301470 Thickness: **0.5mm**, Grade: Upilex, Size: 50x50 mm to 150x150 mm



Metallized Film

IM301825 Thickness: **0.025mm**, Condition: Metallised on one side with 50-100 nm Aluminium, Grade: Kapton HN[®], Coil width 610 mm, Size: 150x150 mm to 300x300 mm



Laminate

IM301510 Thickness: **0.05mm**, Polymer Thickness: 0.025mm, Backing Material: 0.009mm Copper, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301522 Thickness: **0.06mm**, Polymer Thickness: 0.025mm, Backing Material: 0.018mm Copper, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301512 Thickness: **0.07mm**, Polymer Thickness: 0.025mm, Backing Material: 0.009mm Copper, Condition: Double-sided laminate, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301536 Thickness: **0.1mm**, Polymer Thickness: 0.05mm, Backing Material: 0.035mm Copper, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301620 Thickness: **0.16mm**, Polymer Thickness: 0.025mm, Backing Material: 0.125mm Nomex[®], Coil width 914 mm, Size: 150x150 mm to 300x300 mm

IM301560 Thickness: **0.16mm**, Polymer Thickness: 0.075mm, Backing Material: 0.07mm Copper, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301650 Thickness: **0.4mm**, Polymer Thickness: 0.025mm, Backing material: 0.38mm Nomex[®], Coil width 890 mm, Size: 150x150 mm to 300x300 mm



Sheet

IM303110 Thickness: **1mm**, Grade: Cirlex CL-HN, Size: 100x140 mm to 200x280 mm

IM303100 Thickness: **1mm**, Grade: Upilex, Size: 50x50 mm to 150x150 mm

Polymers

IM303120 Thickness: **1.5mm**, Grade: Cirlex CL-HN, Size: 100x140 mm to 200x280 mm



Chopped Fiber

IM306560 Nominal Diameter: **0.014mm**, Fiber length: 60mm, Grade: P84



Rod

IM307910 Diameter: **6.35mm**, Grade: Vespel SP1, Length: 50 mm to 200 mm

IM307920 Diameter: **12.7mm**, Grade: Vespel SP1, Length: 50 mm to 200 mm

IM307930 Diameter: **19mm**, Grade: Meldin 7001, Length: 50 mm to 200 mm

IM307940 Diameter: **25.4mm**, Grade: Vespel SP1, Length: 50 mm to 200 mm

IM307941 Diameter: **25.4mm**, Grade: Meldin 7001, Length: 50 mm to 200 mm

IM307950 Diameter: **38mm**, Grade: Meldin 7001, Length: 25 mm to 100 mm

IM307961 Diameter: **50.8mm**, Grade: Vespel SP1, Length: 25 mm to 50 mm

IM307960 Diameter: **50.8mm**, Grade: Meldin 7001, Length: 25 mm to 50 mm



Tube

IM307012 Outside Diameter: **0.168mm**, Wall Thickness: 0.023mm, Inside Diameter: 0.122mm, Length: 100 mm to 1000 mm

IM307013 Outside Diameter: **0.18mm**, Wall Thickness: 0.02mm, Inside Diameter: 0.14mm, Length: 100 mm to 1000 mm

IM307014 Outside Diameter: **0.193mm**, Wall Thickness: 0.019mm, Inside Diameter: 0.155mm, Length: 100 mm to 1000 mm

IM307015 Outside Diameter: **0.196mm**, Wall Thickness: 0.015mm, Inside Diameter: 0.166mm, Length: 100 mm to 1000 mm

IM307016 Outside Diameter: **0.201mm**, Wall Thickness: 0.022mm, Inside Diameter: 0.157mm, Length: 100 mm to 1000 mm

IM307030 Outside Diameter: **0.30mm**, Wall Thickness: 0.025mm, Inside Diameter: 0.25mm, Length: 100 mm to 1000 mm

IM307040 Outside Diameter: **0.35mm**, Wall Thickness: 0.025mm, Inside Diameter: 0.3mm, Length: 100 mm to 1000 mm

IM307050 Outside Diameter: **0.55mm**, Wall Thickness: 0.025mm, Inside Diameter: 0.5mm, Length: 100 mm to 1000 mm

IM307055 Outside Diameter: **0.67mm**, Wall Thickness: 0.025mm, Inside Diameter: 0.62mm, Length: 317 mm

IM307100 Outside Diameter: **1.05mm**, Wall Thickness: 0.025mm, Inside Diameter: 1.0mm, Length: 100 mm to 1000 mm

IM307200 Outside Diameter: **2.10mm**, Wall Thickness: 0.05mm, Inside Diameter: 2.0mm, Length: 100 mm to 1000 mm

IM307300 Outside Diameter: **3.0mm**, Wall Thickness: 0.03mm, Inside Diameter: 2.94mm, Length: 100 mm to 1000 mm

IM307400 Outside Diameter: **4.2mm**, Wall Thickness: 0.07mm, Inside Diameter: 4.06mm, Length: 100 mm to 1000 mm

Polymethylmethacrylate (PMMA, Acrylic)

Diakon, Lucite, Orogas, Perspex, Plexiglas



Film

ME301200 Thickness: **0.05mm**, Condition: Impact modified, Coil width 600 mm, Size: 150x150 mm to 600x600 mm



Sheet

ME303016 Thickness: **0.175 mm**, Condition: Impact modified, Size: 150x150 mm to 600x600 mm

ME303005 Thickness: **0.25mm**, Condition: Impact modified, Size: 150x150 mm to 600x600 mm

ME303001 Thickness: **0.38mm**, Condition: Impact modified, Size: 125x150 mm to 500x600 mm

ME303008 Thickness: **0.5mm**, Condition: Impact modified, Size: 150x150 mm to 400x600 mm

ME303007 Thickness: **0.5mm**, Colour: Dark red / black, Condition: IR transmitting, Size: 95x100 mm to 190x200 mm

ME303006 Thickness: **0.5mm**, Size: 100x100 mm to 400x400 mm

ME303004 Thickness: **0.7mm**, Grade: CQ, Size: 100x100 mm to 200x200 mm

ME303003 Thickness: **0.75mm**, Condition: Impact modified, Size: 125x150 mm to 500x600 mm

ME303011 Thickness: **1.0mm**, Grade: CQ, Size: 100x100 mm to 150x150 mm

ME303010 Thickness: **1.1mm**, Tolerance: 20%, Size: 150x150 mm to 600x600 mm

ME303013 Thickness: **1.2mm**, Grade: CQ, Size: 100x100 mm to 200x200 mm

ME303021 Thickness: **2.0mm**, Grade: CQ, Size: 150x150 mm to 600x600 mm

ME303020 Thickness: **2.0mm**, Size: 300x300 mm

ME303026 Thickness: **2.7mm**, Grade: CQ, Size: 140x150 mm to 190x300 mm

ME303031 Thickness: **3.0mm**, Grade: CQ, Size: 100x100 mm to 250x400 mm

ME303032 Thickness: **3.0mm**, Condition: Cast, Condition: Free from UV absorber, Size: 150x150 mm to 300x300 mm

ME303030 Thickness: **3.2mm**, Size: 300x300 mm

ME303052 Thickness: **5.0mm**, Condition: Cast, Condition: Free from UV absorber, Size: 150x150 mm to 300x300 mm

ME303050 Thickness: **5.0mm**, Size: 150x150 mm to 300x300 mm

ME303055 Thickness: **6.0mm**, Size: 150x150 mm to 200x200 mm

ME303100 Thickness: **10.0mm**, Size: 150x150 mm to 300x300 mm

ME303120 Thickness: **12.0mm**, Size: 150x150 mm to 300x300 mm

ME303250 Thickness: **25.0mm**, Size: 150x150 mm to 300x300 mm



Monofilament

ME305910 Diameter: **1.0mm**, Condition: Optical fiber



Rod

ME307901 Diameter: **1mm**, Length: 1000 mm

Polymers

- ME307902** Diameter: **2mm**, Length: 1000 mm
ME307903 Diameter: **3mm**, Length: 1000 mm
ME307905 Diameter: **5mm**, Length: 500 mm to 1000 mm
ME307911 Diameter: **10mm**, Grade: CQ, Length: 148 mm
ME307910 Diameter: **10mm**, Length: 1000 mm
ME307915 Diameter: **15mm**, Grade: CQ, Length: 125 mm to 193 mm
ME307925 Diameter: **20mm**, Grade: CQ, Length: 165 mm
ME307920 Diameter: **20mm**, Length: 500 mm to 1000 mm
ME307930 Diameter: **25mm**, Grade: CQ, Length: 145 mm
ME307950 Diameter: **50mm**, Length: 200 mm to 1000 mm
ME307980 Diameter: **100mm**, Length: 50 mm to 500 mm



Tube

- ME307050** Outside Diameter: **10mm**, Wall Thickness: 1.5mm, Inside Diameter: 7mm, Condition: Extruded, Length: 500 mm to 1000 mm
ME307100 Outside Diameter: **13mm**, Wall Thickness: 1.5mm, Inside Diameter: 10mm, Condition: Extruded, Length: 500 mm to 1000 mm
ME307200 Outside Diameter: **20mm**, Wall Thickness: 2mm, Inside Diameter: 16mm, Condition: Extruded, Length: 100 mm to 1000 mm
ME307300 Outside Diameter: **30mm**, Wall Thickness: 3mm, Inside Diameter: 24mm, Condition: Cast, Length: 100 mm to 1000 mm
ME307400 Outside Diameter: **40mm**, Wall Thickness: 3mm, Inside Diameter: 34mm, Condition: Extruded, Length: 100 mm to 1000 mm
ME307410 Outside Diameter: **40mm**, Wall Thickness: 3mm, Inside Diameter: 34mm, Condition: Cast, Length: 100 mm to 1000 mm
ME307500 Outside Diameter: **50mm**, Wall Thickness: 3mm, Inside Diameter: 44mm, Condition: Extruded, Length: 100 mm to 1000 mm



Powder

- ME306010** Mean Particle size: **600micron**, Condition: Additive free polymer



Sphere

- ME306810** Diameter: **1.5mm**
ME306820 Diameter: **3.18mm**

Polymethylpentene (TPX®)

TPX®



Film

- ME311040** Thickness: **0.04mm**, Size: 100x100 mm to 150x150 mm
ME311050 Thickness: **0.05mm**, Coil width 600 mm, Size: 150x150 mm to 300x300 mm
ME311070 Thickness: **0.09mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm
ME311100 Thickness: **0.125mm**, Coil width 670 mm, Size: 150x150 mm to 300x300 mm
ME311150 Thickness: **0.25mm**, Coil width 660 mm, Size: 150x150 mm to 300x300 mm
ME311250 Thickness: **0.5mm**, Coil width 670 mm, Size: 150x150 mm to 300x300 mm



Sheet

- ME313200** Thickness: **2.0 mm**, Condition: Injection moulded, Size: 60x60 mm

- ME313370** Thickness: **4.8 mm**, Condition: Compression moulded, Condition: Mottled surface, Size: 70x70 mm to 145x145 mm

- ME313400** Thickness: **6.35mm**, Condition: Extruded, Size: 100x100 mm to 150x150 mm

- ME313410** Thickness: **10mm**, Condition: Extruded, Size: 100x100 mm to 300x300 mm

- ME313415** Thickness: **12.7mm**, Condition: Extruded, Size: 100x100 mm to 300x300 mm

- ME313435** Thickness: **22.5mm**, Condition: Extruded, Size: 100x100 mm to 150x300 mm

- ME313470** Thickness: **30mm**, Condition: Extruded, Size: 100x100 mm to 150x300 mm



Rod

- ME317910** Diameter: **6.35mm**, Length: 100 mm to 1000 mm
ME317915 Diameter: **9.5mm**, Length: 100 mm to 1000 mm
ME317920 Diameter: **20mm**, Length: 100 mm to 500 mm
ME317933 Diameter: **33mm**, Length: 50 mm to 200 mm
ME317950 Diameter: **50mm**, Length: 50 mm to 200 mm



Granule

- ME316300** Nominal Granule Size: **3mm**, Grade: RT18
ME316301 Nominal Granule Size: **3mm**, Grade: RT18XB
ME316302 Nominal Granule Size: **3mm**, Grade: DX820
ME316303 Nominal Granule Size: **3mm**, Grade: MX002
ME316304 Nominal Granule Size: **3mm**, Grade: MX004
ME316305 Nominal Granule Size: **3mm**, Grade: DX845

Polyoxymethylene - Copolymer (Acetal - Copolymer POMC)

Celcon, Hostaform, Kemetal, Ultraform



Sheet

- OX303010** Thickness: **1mm**, Tolerance: 15%, Size: 300x300 mm
OX303030 Thickness: **3mm**, Size: 300x300 mm
OX303100 Thickness: **10mm**, Size: 150x150 mm to 300x300 mm



Rod

- OX307905** Diameter: **5mm**, Color: Natural, Length: 1000 mm
OX307910 Diameter: **10mm**, Color: Natural, Length: 1000 mm
OX307925 Diameter: **25mm**, Color: Natural, Length: 200 mm to 1000 mm
OX307926 Diameter: **25mm**, Color: Red, Length: 200 mm to 1000 mm
OX307927 Diameter: **25mm**, Color: Green, Length: 200 mm to 1000 mm
OX307928 Diameter: **25mm**, Color: Blue, Length: 200 mm to 1000 mm
OX307929 Diameter: **25mm**, Color: Yellow, Length: 200 mm to 1000 mm
OX307930 Diameter: **25mm**, Color: Natural, Grade: ESD 90, Length: 50 mm to 500 mm
OX307931 Diameter: **30mm**, Color: Black, Grade: ESD 60, Length: 50 mm to 500 mm
OX307950 Diameter: **50mm**, Color: Natural, Length: 200 mm to 1000 mm

Polymers

OX307980 Diameter: **100mm**, Color: Natural, Length: 50 mm to 500 mm

OX307990 Diameter: **150mm**, Color: Natural, Length: 50 mm to 200 mm



Sphere

OX306850 Diameter: **12.7mm**

Polyoxymethylene - Homopolymer (Acetal - Homopolymer POMH)

Delrin, Tenac



Film

OX311050 Thickness: **0.5mm**, Size: 150x150 mm to 300x300 mm



Sheet

OX313050 Thickness: **5mm**, Size: 150x150 mm to 300x300 mm

OX313080 Thickness: **10mm**, Size: 150x150 mm to 300x300 mm

OX313100 Thickness: **12mm**, Size: 150x150 mm to 300x300 mm



Rod

OX317910 Diameter: **10mm**, Length: 1000 mm

OX317925 Diameter: **25mm**, Length: 100 mm to 1000 mm

OX317950 Diameter: **50mm**, Length: 100 mm to 1000 mm

OX317980 Diameter: **100mm**, Length: 50 mm to 500 mm



Sphere

OX316810 Diameter: **1.59mm**

Polyoxymethylene/Acetal Copolymer - 10% Carbon Fiber Reinforced (POMC - 10% CFR)



Granule

OX336310 Nominal Granule Size: **3mm**, Color: Black

Polyphenyleneoxide (PPO (modified), PPE (modified))

Noryl, Vestoran, Luranyl



Sheet

PH303060 Thickness: **6mm**, Color: Pale gray, Size: 100x100 mm to 300x300 mm

PH303250 Thickness: **25mm**, Color: Pale gray, Size: 55x290 mm



Rod

PH307906 Diameter: **6mm**, Color: Pale gray, Length: 500 mm to 1000 mm

PH307910 Diameter: **10mm**, Color: Pale gray, Length: 500 mm to 1000 mm

PH307912 Diameter: **12mm**, Color: Pale gray, Length: 500 mm to 1000 mm

PH307930 Diameter: **30mm**, Color: Pale gray, Length: 100 mm to 1000 mm

PH307950 Diameter: **50mm**, Color: Pale gray, Length: 100 mm to 500 mm

PH307980 Diameter: **100mm**, Color: Pale gray, Length: 50 mm to 200 mm

PH307990 Diameter: **150mm**, Color: Pale gray, Length: 50 mm to 100 mm

Polyphenyleneoxide (modified), 30% Glass Fiber Reinforced (PPO 30% GFR)

Noryl, Vestoran, Luranyl



Sheet

PH313250 Thickness: **30mm**, Size: 150x150 mm to 300x300 mm



Rod

PH317910 Diameter: **10mm**, Color: Yellow/Brown, Length: 100 mm to 1000 mm

PH317930 Diameter: **30mm**, Color: Yellow/Brown, Length: 100 mm to 1000 mm

Polyphenylenesulfide (PPS)



Monofilament

SU325950 Diameter: **0.5 mm**, Color: Transparent pale amber, Condition: Unfilled

Polyphenylenesulfide - 40% Glass Fiber Reinforced (PPS - 40% GFR)

Fortron, Ryton, Supec



Sheet

SU313065 Thickness: **7mm**, Color: Black, Size: 50x50 mm to 250x250 mm



Rod

SU317910 Diameter: **10mm**, Length: 100 mm to 1000 mm

SU317915 Diameter: **12mm**, Length: 100 mm to 1000 mm

SU317920 Diameter: **20mm**, Length: 100 mm to 1000 mm

SU317927 Diameter: **27mm**, Length: 100 mm to 1000 mm

SU317940 Diameter: **40mm**, Length: 50 mm to 500 mm



Granule

SU316300 Nominal Granule Size: **3mm**

Polyphenylenesulphide - 20% Carbon Fiber Reinforced (PPS - 20% CFR)



Granule

SU356310 Nominal Granule Size: **3mm**, Color: Black

Polyphenylsulfone (PPSu)

Radel R



Sheet

SU333020 Thickness: **5.5mm**, Color: Blue, Size: 165x165 mm



Rod

SU337912 Diameter: **12.7mm**, Color: Black, Length: 100 mm to 1000 mm

SU337920 Diameter: **20mm**, Color: Black, Length: 100 mm to 1000 mm

SU337930 Diameter: **30mm**, Color: Black, Length: 100 mm to 500 mm

SU337940 Diameter: **40mm**, Color: Black, Length: 50 mm to 200 mm

Polypropylene

Polypropylene (PP)

Appryl, Hostalen PP, Lacqtene, Novolen, Propathene



Film

- PP301040** Thickness: **0.004 mm**, Condition: Biaxially Oriented, Coil width 315 mm, Size: 100x100 mm to 300x300 mm
- PP301081** Thickness: **0.008 mm**, Condition: Biaxially Oriented, Coil width 300 mm Length : 0.5 m to 20 m
- PP301101** Thickness: **0.01 mm**, Condition: Biaxially Oriented, Coil width 300 mm Length : 0.5 m to 20 m
- PP301100** Thickness: **0.01 mm**, Condition: Biaxially Oriented, Coil width 550 mm, Size: 100x100 mm to 500x500 mm
- PP301120** Thickness: **0.012 mm**, Condition: Biaxially Oriented, Coil width 300 mm, Size: 100x100 mm to 300x300 mm
- PP301130** Thickness: **0.013 mm**, Condition: Biaxially Oriented, Coil width 295 mm, Size: 100x100 mm to 150x150 mm
- PP301150** Thickness: **0.015 mm**, Condition: Biaxially Oriented, Coil width 300 mm, Size: 100x100 mm to 300x300 mm
- PP301300** Thickness: **0.030mm**, Grade: Heat sealable, Coil width 330 mm, Size: 100x100 mm to 150x150 mm
- PP301320** Thickness: **0.03 mm**, Condition: Biaxially Oriented, Coil width 600 mm, Size: 150x150 mm to 300x300 mm
- PP301341** Thickness: **0.04 mm**, Condition: Biaxially Oriented, Coil width 200 mm, Size: 200x200 mm
- PP301340** Thickness: **0.04 mm**, Condition: Biaxially Oriented, Coil width 650 mm, Size: 100x100 mm to 600x600 mm
- PP301350** Thickness: **0.05 mm**, Condition: Biaxially Oriented, Coil width 600 mm, Size: 150x150 mm to 300x300 mm
- PP301375** Thickness: **0.075 mm**, Condition: Biaxially Oriented, Coil width 600 mm, Size: 150x150 mm to 300x300 mm
- PP301400** Thickness: **0.1mm**, Condition: Homopolymer, Coil width 650 mm Length : 0.5 m to 10 m
- PP301418** Thickness: **0.18mm**, Condition: Copolymer, Coil width 610 mm, Size: 150x150 mm to 300x300 mm
- PP301427** Thickness: **0.27mm**, Condition: Homopolymer, Coil width 650 mm, Size: 150x150 mm to 300x300 mm
- PP301440** Thickness: **0.50mm**, Condition: Copolymer, Coil width 600 mm, Size: 150x150 mm to 300x300 mm
- PP301460** Thickness: **0.55mm**, Condition: Copolymer, Coil width 920 mm, Size: 150x150 mm to 900x900 mm



Metallized Film

- PP301880** Thickness: **0.008mm**, Ohms/Square: 3, Metallized with: Aluminum, Metallization: One side only, Coil width 75 mm Length : 0.5 m to 50 m



Honeycomb

- PP302800** Thickness: **10mm**, Cell size: 8mm, Adhesive: None - cells are fused together, Core Density: 0.08g.cm⁻³, Cell Wall: 0.25mm, Facing skin: Non-woven polyester veil, Size: 300x300 mm to 600x600 mm
- PP302850** Thickness: **10mm**, Cell size: 10mm, Adhesive: None - cells are fused together, Core Density: 0.064g.cm⁻³, Cell Wall: 0.25mm, Facing skin: Non-woven polyester veil, Size: 300x300 mm to 600x600 mm
- PP302810** Thickness: **20mm**, Cell size: 8mm, Adhesive: None - cells are fused together, Core Density: 0.08g.cm⁻³, Cell Wall: 0.25mm, Facing skin: Non-woven polyester veil, Size: 300x300 mm to 600x600 mm
- PP302851** Thickness: **20mm**, Cell size: 10mm, Adhesive: None - cells are fused together, Core Density: 0.064g.cm⁻³, Cell Wall: 0.25mm, Facing skin: Non-woven polyester veil, Size: 300x300 mm to 600x600 mm



Sheet

- PP303100** Thickness: **1.0mm**, Size: 150x150 mm to 400x600 mm
- PP303150** Thickness: **1.5mm**, Size: 150x150 mm to 600x600 mm
- PP303030** Thickness: **3.0mm**, Size: 100x100 mm to 500x500 mm
- PP303050** Thickness: **4.5mm**, Size: 100x100 mm to 300x300 mm
- PP303055** Thickness: **5.0mm**, Color: Natural, Condition: Homopolymer, Size: 100x100 mm to 500x500 mm
- PP303300** Thickness: **10mm**, Size: 100x100 mm to 300x300 mm
- PP303400** Thickness: **25mm**, Size: 100x100 mm to 240x250 mm



Mesh

- PP308706** Nominal Aperture: **34μm**, Monofil diameter: 150μm, Threads/cm: 70, Open area: 4%, Weave: Satin, Size: 250x250 mm to 500x500 mm
- PP308710** Nominal Aperture: **125μm**, Monofil diameter: 110μm, Threads/cm: 43, Open area: 29%, Type: Plain weave mesh, Size: 250x250 mm to 500x500 mm



Fiber

- PP305747** Tex Number: **47**, Filament Diameter: 0.028mm, Number of Filaments: 86, Condition: Medium Tenacity



Rod

- PP307907** Diameter: **8mm**, Condition: Homopolymer, Length: 500 mm to 1000 mm
- PP307908** Diameter: **8mm**, Condition: Copolymer, Length: 500 mm to 1000 mm
- PP307910** Diameter: **10mm**, Condition: Homopolymer, Length: 500 mm to 1000 mm
- PP307925** Diameter: **25mm**, Condition: Homopolymer, Length: 200 mm to 1000 mm
- PP307950** Diameter: **50mm**, Condition: Homopolymer, Length: 100 mm to 1000 mm
- PP307980** Diameter: **100mm**, Length: 100 mm to 1000 mm
- PP307990** Diameter: **150mm**, Length: 50 mm to 500 mm

Polymers



Tube

PP307500 Outside Diameter: **50mm**, Wall Thickness: 1.1mm, Color: Gray, Inside Diameter: 47.8mm, Condition: Biaxially Oriented tube, Length: 100 mm to 500 mm



Granule

PP306320 Nominal Granule Size: **3mm**, Condition: Block copolymer

PP306315 Nominal Granule Size: **4mm**, Condition: Isotactic



Sphere

PP306820 Diameter: **3.18mm**

Polystyrene (PS)

Polystyrol, Styron



Film

ST311025 Thickness: **0.025mm**, Condition: Biaxially Oriented, Tolerance: 20%, Coil width 300 mm Length: 1 m to 20 m

ST311030 Thickness: **0.030mm**, Condition: Biaxially Oriented, Tolerance: 20%, Coil width 300 mm Length: 1 m to 20 m

ST311050 Thickness: **0.05mm**, Condition: Biaxially Oriented, Coil width 600 mm Length: 0.5 m to 10 m

ST311125 Thickness: **0.125mm**, Condition: Biaxially Oriented, Coil width 600 mm Length: 0.5 m to 10 m

ST311190 Thickness: **0.19mm**, Condition: Biaxially Oriented, Coil width 350 mm, Size: 150x150 mm to 300x300 mm

ST311250 Thickness: **0.25mm**, Condition: Biaxially Oriented, Coil width 350 mm, Size: 150x150 mm to 300x300 mm



Sheet

ST313120 Thickness: **1.2mm**, Condition: Crystal, Condition: Transparent, Condition: Amorphous, Size: 100x100 mm to 300x300 mm

ST313200 Thickness: **2.0mm**, Condition: Crystal, Condition: Transparent, Condition: Amorphous, Size: 100x100 mm to 300x300 mm

ST313300 Thickness: **3.0mm**, Condition: Crystal, Condition: Transparent, Condition: Amorphous, Size: 100x100 mm to 300x300 mm

ST313400 Thickness: **4.0mm**, Condition: Crystal, Condition: Transparent, Condition: Amorphous, Size: 100x100 mm to 300x300 mm

ST313450 Thickness: **6.0mm**, Condition: Crystal, Condition: Transparent, Condition: Amorphous, Size: 150x150 mm to 210x290 mm



Powder

ST316051 Mean Particle size: **250micron**, Condition: Homopolymer

ST316090 Mean Particle size: **900micron**, Condition: Spherical powder, Condition: Homopolymer



Granule

ST316310 Nominal Granule Size: **3.5mm**, Melt flow rate: 2.5

Polystyrene - Conductive (High Impact Conductive Polystyrene)



Sheet

ST323100 Thickness: **1.0mm**, Color: Black, Condition: Conductive polymer, Size: 100x100 mm to 300x300 mm

ST323200 Thickness: **2.0mm**, Color: Black, Condition: Conductive polymer, Size: 100x100 mm to 300x300 mm

ST323300 Thickness: **3.0mm**, Color: Black, Condition: Conductive polymer, Size: 100x100 mm to 300x300 mm

Polystyrene - Cross-linked (PS - X - Linked)

Q.200.5, Rexolite



Sheet

ST303009 Thickness: **0.9mm**, Size: 150x150 mm to 300x300 mm

ST303016 Thickness: **1.6mm**, Size: 150x150 mm to 300x300 mm

ST303032 Thickness: **3.2mm**, Size: 150x150 mm to 300x300 mm

ST303064 Thickness: **6.4mm**, Size: 150x150 mm to 300x300 mm

ST303127 Thickness: **12.7mm**, Size: 150x150 mm to 300x300 mm

ST303150 Thickness: **25.4mm**, Size: 150x150 mm to 310x310 mm

ST303175 Thickness: **50.8mm**, Size: 157x157 mm to 315x315 mm



Rod

ST307910 Diameter: **1.6mm**, Length: 100 mm to 1000 mm

ST307930 Diameter: **6.35mm**, Length: 100 mm to 1000 mm

ST307950 Diameter: **9.5mm**, Length: 100 mm to 1000 mm

ST307960 Diameter: **12.7mm**, Length: 100 mm to 1000 mm

ST307965 Diameter: **19mm**, Length: 100 mm to 1000 mm

ST307970 Diameter: **25mm**, Length: 100 mm to 1000 mm

ST307980 Diameter: **38mm**, Length: 100 mm to 1000 mm

ST307990 Diameter: **50mm**, Length: 100 mm to 1000 mm

ST307995 Diameter: **70mm**, Length: 50 mm to 500 mm

ST307997 Diameter: **89mm**, Length: 50 mm to 200 mm

ST307998 Diameter: **152.4mm**, Length: 50 mm to 200 mm

Polysulphone (PSu)

Udel[®], Ultrason[®] S



Film

SU341025 Thickness: **0.025mm**, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

SU341100 Thickness: **0.1mm**, Coil width 660 mm, Size: 150x150 mm to 300x300 mm

SU341450 Thickness: **0.9mm**, Size: 150x150 mm to 300x300 mm



Rod

SU347910 Diameter: **10mm**, Color: Natural, Length: 100 mm to 1000 mm

Polymers

SU347925 Diameter: **25mm**, Color: Natural, Length: 100 mm to 1000 mm

SU347950 Diameter: **50mm**, Color: Natural, Length: 50 mm to 500 mm



Granule

SU346320 Nominal Granule Size: **2mm**, Color: Natural

Polytetrafluoroethylene (PTFE)

Fluon, Hostafion TF, Teflon TFE



Film

FP301050 Thickness: **0.005mm**, Coil width 450 mm Length : 0.1 m to 2 m

FP301100 Thickness: **0.01mm**, Coil width 450 mm, Size: 100x100 mm to 300x300 mm

FP301020 Thickness: **0.0125mm**, Porosity: 98%, Pore Size: 12.5µm, Condition: Porous Membrane, Size: 200x300 mm

FP301040 Thickness: **0.025mm**, Porosity: 91%, Pore Size: 5µm, Condition: Porous Membrane, Size: 200x300 mm

FP301200 Thickness: **0.025mm**, Coil width 300 mm, Size: 100x100 mm to 300x300 mm

FP301250 Thickness: **0.05mm**, Tolerance: 20%, Coil width 300 mm, Size: 100x100 mm to 300x300 mm

FP301220 Thickness: **0.063mm**, Porosity: 91%, Pore Size: 1µm, Condition: Porous Membrane, Size: 200x300 mm

FP301265 Thickness: **0.063mm**, Porosity: 84%, Pore Size: 0.45µm, Condition: Porous Membrane, Size: 200x300 mm

FP301300 Thickness: **0.1mm**, Coil width 300 mm, Size: 100x100 mm to 300x300 mm

FP301301 Thickness: **0.1mm**, Coil width 610 mm Length : 0.5 m to 10 m

FP301305 Thickness: **0.15mm**, Coil width 310 mm, Size: 150x150 mm to 300x300 mm

FP301312 Thickness: **0.175mm**, Porosity: 35%, Pore Size: 5.0µm, Condition: Porous Membrane, Backing support: 0.15mm thick Webril® Polypropylene non-woven fabric., Size: 200x310 mm

FP301340 Thickness: **0.20mm**, Coil width 328 mm, Size: 150x150 mm to 300x300 mm

FP301310 Thickness: **0.21mm**, Porosity: 51.5%, Pore Size: 1.0µm, Condition: Porous Membrane, Backing support: 0.15mm thick Webril® Polypropylene non-woven fabric., Size: 200x300 mm

FP301326 Thickness: **0.225mm**, Porosity: 35%, Pore Size: 5.0µm, Condition: Porous Membrane, Backing support: Reemay® non-woven 0.2mm thick Polyester., Size: 150x150 mm

FP301350 Thickness: **0.25mm**, Coil width 319 mm, Size: 150x150 mm to 300x300 mm

FP301324 Thickness: **0.263mm**, Porosity: 51.5%, Pore Size: 1.0µm, Condition: Porous Membrane, Backing support: Reemay® non-woven 0.2mm thick Polyester., Size: 200x300 mm

FP301375 Thickness: **0.30mm**, Coil width 300 mm, Size: 150x150 mm to 300x300 mm

FP301400 Thickness: **0.5mm**, Coil width 620 mm, Size: 100x100 mm to 300x300 mm



Sheet

FP303050 Thickness: **1.0mm**, Size: 100x100 mm to 300x300 mm

FP303100 Thickness: **2.0mm**, Size: 100x100 mm to 300x300 mm

FP303150 Thickness: **3.0mm**, Size: 100x100 mm to 300x300 mm

FP303200 Thickness: **5.0mm**, Size: 100x100 mm to 300x300 mm

FP303250 Thickness: **10.0mm**, Size: 100x100 mm to 300x300 mm



Fiber

FP305722 Tex Number: **22**, Filament Diameter: 0.0211mm, Number of Filaments: 30, Color: Brown

FP305744 Tex Number: **44**, Filament Diameter: 0.0211mm, Number of Filaments: 60, Color: Brown



Rod

FP307901 Diameter: **1.0mm**, Length: 500 mm to 1000 mm

FP307905 Diameter: **2.0mm**, Length: 500 mm to 1000 mm

FP307908 Diameter: **2.5mm**, Length: 500 mm to 1000 mm

FP307910 Diameter: **3.0mm**, Length: 500 mm to 1000 mm

FP307920 Diameter: **4.0mm**, Length: 500 mm to 1000 mm

FP307925 Diameter: **5.0mm**, Length: 500 mm to 1000 mm

FP307950 Diameter: **8.0mm**, Length: 500 mm to 1000 mm

FP307975 Diameter: **10.0mm**, Length: 200 mm to 1000 mm

FP307977 Diameter: **13mm**, Length: 200 mm to 1000 mm

FP307979 Diameter: **20mm**, Length: 100 mm to 1000 mm

FP307980 Diameter: **25.0mm**, Length: 100 mm to 1000 mm

FP307985 Diameter: **50.0mm**, Length: 50 mm to 500 mm

FP307990 Diameter: **100mm**, Length: 25 mm to 150 mm



Tube

FP307003 Outside Diameter: **0.37mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.07mm, Length, Length: 1 m to 20 m

FP307004 Outside Diameter: **0.41mm**, Wall Thickness: 0.13mm, Inside Diameter: 0.15mm, Length, Length: 1 m to 20 m

FP307006 Outside Diameter: **0.56mm**, Wall Thickness: 0.08mm, Inside Diameter: 0.4mm, Length, Length: 1 m to 20 m

FP307007 Outside Diameter: **0.8mm**, Wall Thickness: 0.25mm, Inside Diameter: 0.3mm, Length, Length: 1 m to 50 m

FP307010 Outside Diameter: **1.09mm**, Wall Thickness: 0.04mm, Inside Diameter: 1.01mm, Length, Length: 1 m to 10 m

FP307012 Outside Diameter: **1.2mm**, Wall Thickness: 0.3mm, Inside Diameter: 0.6mm, Length, Length: 1 m to 50 m

FP307018 Outside Diameter: **1.82mm**, Wall Thickness: 0.41mm, Inside Diameter: 1mm, Length, Length: 1 m to 20 m

FP307024 Outside Diameter: **2.4mm**, Wall Thickness: 0.8mm, Inside Diameter: 0.8mm, Length, Length: 1 m to 20 m

FP307022 Outside Diameter: **2.5mm**, Wall Thickness: 0.1mm, Inside Diameter: 2.3mm, Heat-shrinkable tubing: 0.65mm minimum I/D, Length: 200 mm to 1000 mm

Polymers

FP307027 Outside Diameter: **2.69mm**, Wall Thickness: 0.05mm, Inside Diameter: 2.59mm, Length, Length: 1 m to 50 m

FP307032 Outside Diameter: **3.2mm**, Wall Thickness: 0.8mm, Inside Diameter: 1.6mm, Length: 500 mm to 1000 mm

FP307035 Outside Diameter: **3.52mm**, Wall Thickness: 0.41mm, Inside Diameter: 2.7mm, Length: 500 mm to 1000 mm

FP307030 Outside Diameter: **4.2mm**, Wall Thickness: 0.05mm, Inside Diameter: 4.1mm, Heat-shrinkable tubing: 0.93mm minimum I/D, Length: 200 mm to 1000 mm

FP307048 Outside Diameter: **4.8mm**, Wall Thickness: 0.8mm, Inside Diameter: 3.2mm, Length: 500 mm to 1000 mm

FP307050 Outside Diameter: **5.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 3mm, Length: 500 mm to 1000 mm

FP307065 Outside Diameter: **6.35mm**, Wall Thickness: 0.8mm, Inside Diameter: 4.75mm, Length, Length: 2 m to 20 m

FP307064 Outside Diameter: **6.42mm**, Wall Thickness: 0.51mm, Inside Diameter: 5.4mm, Length: 500 mm to 1000 mm

FP307066 Outside Diameter: **6.45mm**, Wall Thickness: 0.05mm, Inside Diameter: 6.35mm, Heat-shrinkable tubing: 1.6mm minimum I/D, Length: 200 mm to 1000 mm

FP307080 Outside Diameter: **8.0mm**, Wall Thickness: 0.8mm, Inside Diameter: 6.4mm, Length: 500 mm to 1000 mm

FP307076 Outside Diameter: **8.2mm**, Wall Thickness: 0.25mm, Inside Diameter: 7.7mm, Heat-shrinkable tubing: 4.5mm minimum I/D, Length: 230 mm

FP307068 Outside Diameter: **8.2mm**, Wall Thickness: 0.1mm, Inside Diameter: 8mm, Heat-shrinkable tubing: 1.6mm minimum I/D, Length: 200 mm to 1000 mm

FP307090 Outside Diameter: **9.25mm**, Wall Thickness: 0.375mm, Inside Diameter: 8.5mm, Length: 200 mm to 1000 mm

FP307140 Outside Diameter: **14mm**, Wall Thickness: 1mm, Inside Diameter: 12mm, Length, Length: 0.2 m to 5 m

FP307131 Outside Diameter: **14mm**, Wall Thickness: 0.07mm, Inside Diameter: 13.86mm, Heat-shrinkable tubing: 3.7mm minimum I/D, Length: 200 mm to 1000 mm

FP307205 Outside Diameter: **19.2mm**, Wall Thickness: 0.1mm, Inside Diameter: 19mm, Heat-shrinkable tubing: 5.7mm minimum I/D, Length: 100 mm to 1000 mm



Powder

FP306010 Mean Particle size: **6-9micron**

FP306020 Mean Particle size: **20micron**



Sphere

FP306810 Diameter: **1.59mm**

FP306820 Diameter: **3.18mm**

Polytetrafluoroethylene coated Glass Fabric (PTFE 75 / Glass 25)



Fabric

FP313510 Weight.m⁻²: **145g**, Ends x Picks/10cm: 185x236, Weave: Plain, Thickness: 0.08mm, Coil width 1000 mm, Size: 300x300 mm to 500x1000 mm

FP313520 Weight.m⁻²: **300g**, Ends x Picks/10cm: 236x228, Weave: Plain, Thickness: 0.15mm, Coil width 1000 mm, Size: 300x300 mm to 500x1000 mm

Polytetrafluoroethylene filled with Glass (PTFE 25% GF)

Fluon, Hostaflon, Teflon



Film

FP321300 Thickness: **0.30mm**, Size: 250x250 mm to 1000x1000 mm

FP321400 Thickness: **0.5mm**, Size: 250x250 mm to 1000x1000 mm



Sheet

FP323075 Thickness: **1.5mm**, Size: 150x150 mm to 300x300 mm

FP323150 Thickness: **3.0mm**, Size: 150x150 mm to 1000x1000 mm

FP323200 Thickness: **5.0mm**, Size: 150x150 mm to 600x600 mm

FP323250 Thickness: **10.0mm**, Size: 150x150 mm to 300x300 mm



Rod

FP327930 Diameter: **5.0mm**, Length: 100 mm to 1000 mm

FP327950 Diameter: **10.0mm**, Length: 100 mm to 1000 mm

FP327960 Diameter: **15.0mm**, Length: 100 mm to 1000 mm

FP327970 Diameter: **25.0mm**, Length: 50 mm to 1000 mm

Polyvinylchloride - Unplasticized (UPVC)

Corvic, Evipol, Geon, Hostalit, Lacovyl, Lucorex



Film

CV311200 Thickness: **0.2mm**, Color: Clear, Condition: Copolymer, Coil width 660 mm, Size: 150x150 mm to 600x600 mm

CV311450 Thickness: **0.38mm**, Color: Clear, Condition: Copolymer, Coil width 660 mm, Size: 150x150 mm to 600x600 mm



Sheet

CV313005 Thickness: **0.5mm**, Color: White, Size: 150x150 mm to 300x300 mm

CV313010 Thickness: **1mm**, Color: Clear, Size: 150x150 mm to 300x300 mm

CV313045 Thickness: **4.5mm**, Color: Clear, Size: 150x150 mm to 300x300 mm

CV313250 Thickness: **10.0mm**, Color: Gray, Size: 150x150 mm to 300x300 mm



Rod

CV317906 Diameter: **6mm**, Color: Gray, Length: 500 mm to 1000 mm

CV317910 Diameter: **10mm**, Color: Gray, Length: 500 mm to 1000 mm

Polymers

CV317925 Diameter: **25mm**, Color: Gray, Length: 500 mm to 1000 mm



Tube

CV317480 Outside Diameter: **48mm**, Wall Thickness: 3mm, Color: Gray, Inside Diameter: 42mm, Condition: Biaxially Oriented tube, Length: 100 mm to 1000 mm



Powder

CV316010 Mean Particle size: **230micron**

Polyvinylfluoride (PVF)

Tedlar



Film

FV331013 Thickness: **0.013mm**, Condition: Modified to reduce flammability, Color: White, Coil width 300 mm Length : 0.5 m to 10 m

FV331025 Thickness: **0.025mm**, Coil width 300 mm Length : 0.5 m to 10 m

FV331050 Thickness: **0.05mm**, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

Polyvinylidenechloride (PVDC)

Saran



Film

CV301150 Thickness: **0.0125mm**, Coil width 300 mm Length : 0.5 m to 50 m

CV301230 Thickness: **0.033mm**, Coil width 300 mm, Size: 150x150 mm to 300x300 mm

CV301245 Thickness: **0.043mm**, Condition: Double wound (2 x 0.0215mm), Coil width 134 mm Length : 1 m to 20 m



Powder

CV306010 Mean Particle size: **<180micron**

Polyvinylidenefluoride (PVDF)

Florafon, Kynar, Solef



Film

FV301050 Thickness: **0.0045mm**, Condition: Biaxially Oriented, Coil width 660 mm, Size: 150x150 mm to 300x300 mm

FV301090 Thickness: **0.009mm**, Oriented: Uni-axially oriented, Condition: Piezo-electric film, Size: 25x25 mm to 100x100 mm

FV301251 Thickness: **0.028mm**, Oriented: Uni-axially oriented, Condition: Piezo-electric film, Coil width 400 mm, Size: 50x50 mm to 200x200 mm

FV301260 Thickness: **0.05mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

FV301300 Thickness: **0.1mm**, Coil width 230 mm, Size: 150x150 mm to 300x300 mm

FV301310 Thickness: **0.125mm**, Coil width 660 mm, Size: 150x150 mm to 300x300 mm

FV301350 Thickness: **0.25mm**, Coil width 596 mm, Size: 145x145 mm to 290x290 mm

FV301360 Thickness: **0.3mm**, Size: 100x100 mm to 150x150 mm

FV301400 Thickness: **0.5mm**, Size: 100x100 mm to 600x600 mm

FV301490 Thickness: **1.0mm**, Size: 150x150 mm to 500x500 mm



Metallized Film

FV301926 Thickness: **0.025mm**, Ohms/Square: 2, Condition: Biaxially Oriented, Condition: Piezo-electric film, Size: 50x50 mm to 200x200 mm

FV301940 Thickness: **0.04mm**, Ohms/Square: 2, Condition: Biaxially Oriented, Condition: Piezo-electric film, Size: 50x50 mm to 200x200 mm

FV301960 Thickness: **0.11mm**, Ohms/Square: 2, Oriented: Uni-axially oriented, Condition: Piezo-electric film, Size: 133x190 mm to 190x267 mm



Sheet

FV303200 Thickness: **2.0mm**, Size: 150x150 mm to 500x500 mm



Rod

FV307910 Diameter: **3.0mm**, Length: 500 mm to 1000 mm

FV307925 Diameter: **10.0mm**, Length: 200 mm to 1000 mm

FV307940 Diameter: **20.0mm**, Length: 200 mm to 1000 mm



Tube

FV307201 Outside Diameter: **20mm**, Wall Thickness: 0.2mm, Inside Diameter: 19.6mm, Heat-shrinkable tubing: 9.5mm minimum I/D, Length: 300 mm to 1200 mm



Granule

FV306300 Nominal Granule Size: **5mm**, Condition: Additive free polymer

Silicone Elastomer (MQ/VNQ/PMQ/PVMQ)

Silastic, Silopren



Film

SI301025 Thickness: **0.025mm**, Size: 23x23 mm

SI301050 Thickness: **0.05mm**, Size: 150x200 mm

SI301126 Thickness: **0.125mm**, Size: 148x200 mm



Sheet

SI303045 Thickness: **0.45mm**, Size: 145x145 mm to 290x290 mm

SI303060 Thickness: **0.6mm**, Size: 150x150 mm to 600x600 mm

SI303100 Thickness: **1.0mm**, Size: 100x100 mm to 500x500 mm

SI303201 Thickness: **2.0mm**, Specification: USP Class VI, Size: 75x100 mm to 150x200 mm

SI303300 Thickness: **3.0mm**, Size: 100x100 mm to 500x500 mm



Rod

SI307910 Diameter: **1.0mm**, Color: White, Condition: Flexible cord, Length, Length: 1 m to 20 m

SI307920 Diameter: **2.0mm**, Color: White, Condition: Flexible cord, Length, Length: 1 m to 20 m

SI307930 Diameter: **3.0mm**, Color: White, Condition: Flexible cord, Length, Length: 1 m to 20 m

SI307931 Diameter: **3.0mm**, Condition: Flexible cord, Condition: Translucent, Length, Length: 1 m to 20 m

SI307937 Diameter: **3.7mm**, Color: White, Condition: Flexible cord, Length, Length: 1 m to 20 m

Polymers

SI307938 Diameter: **3.7mm**, Condition: Flexible cord, Condition: Translucent, Length, Length: 1 m to 20 m

SI307950 Diameter: **5.0mm**, Color: White, Condition: Flexible cord, Length, Length: 1 m to 20 m



Tube

SI307160 Outside Diameter: **2.2mm**, Wall Thickness: 0.85mm, Inside Diameter: 0.5mm, Length, Length: 0.5 m to 10 m

SI307300 Outside Diameter: **3.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 2mm, Length, Length: 1 m to 5 m

SI307370 Outside Diameter: **3.7mm**, Wall Thickness: 1.0mm, Inside Diameter: 1.7mm, Length, Length: 0.5 m to 5 m

SI307371 Outside Diameter: **3.7mm**, Wall Thickness: 1.0mm, Inside Diameter: 1.7mm, Condition: Translucent, Length, Length: 0.5 m to 5 m

SI307450 Outside Diameter: **4.7mm**, Wall Thickness: 0.75mm, Inside Diameter: 3.2mm, Length, Length: 1 m to 5 m

SI307061 Outside Diameter: **5.5mm**, Wall Thickness: 1.6mm, Inside Diameter: 2.3mm, Length, Length: 0.5 m to 10 m

SI307060 Outside Diameter: **6.4mm**, Wall Thickness: 2.0mm, Inside Diameter: 2.4mm, Length, Length: 1 m

SI307062 Outside Diameter: **6.4mm**, Wall Thickness: 1.6mm, Inside Diameter: 3.2mm, Length, Length: 0.5 m to 10 m

TPE - 50% Leather Fibre Filled (TPE - 50% Leather Fibre Filled)



Film

ET381250 Thickness: **1.2mm**, Color: Black, Coil width 650 mm, Size: 150x150 mm to 300x300 mm



Lump

ET386100 Max. Lump size: **5mm**, Color: Black

Tetrafluoroethylene-perfluoro(alkoxy vinyl ether) - Copolymer (PFA. Teflon PFA.)



Film

FV321025 Thickness: **0.025mm**, Coil width 370 mm, Size: 150x150 mm to 300x300 mm

FV321050 Thickness: **0.052mm**, Coil width 390 mm, Size: 150x150 mm to 300x300 mm

FV321100 Thickness: **0.1mm**, Coil width 400 mm, Size: 100x100 mm to 200x200 mm

FV321200 Thickness: **0.5mm**, Coil width 420 mm, Size: 100x100 mm to 200x200 mm



Sheet

FV323100 Thickness: **1mm**, Size: 150x150 mm to 300x300 mm

FV323300 Thickness: **3mm**, Size: 150x150 mm



Rod

FV327905 Diameter: **3mm**, Length: 300 mm to 900 mm

FV327910 Diameter: **9.5mm**, Length: 300 mm to 900 mm

FV327930 Diameter: **25mm**, Length: 100 mm to 200 mm

Vectra A® - 15% Glass Fiber Reinforced (Liquid Crystal Polyester - 15% GFR)



Rod

ES387920 Diameter: **10mm**, Color: Black, Length: 100 mm to 1000 mm

Vectra A® - 25% Glass Fiber Reinforced (Vectra A® - 25% GFR)



Rod

ET377940 Diameter: **20mm**, Color: Black, Condition: Contains PTFE as a dry lubricant, Length: 100 mm to 1000 mm

Vectra A® - 30% Glass Fiber Reinforced (Vectra A® - 30% GFR)



Rod

ET367925 Diameter: **12mm**, Color: Black, Length: 100 mm to 1000 mm

Vectra A® - Liquid Crystal Polyester (Vectra A®)

Vectra A, Xydar



Fiber

ES315717 Tex Number: **167**, Filament Diameter: 0.023mm, Number of Filaments: 300



Rod

ES317920 Diameter: **18 mm**, Made from: Liquid Crystal polymer, Length: 100 mm to 1000 mm

ES317930 Diameter: **30 mm**, Made from: Liquid Crystal polymer, Length: 100 mm to 1000 mm

Vectra B® - 30% Glass Fiber Reinforced (Liquid Crystal Polyester - 30% GFR)



Sheet

ES393100 Thickness: **10mm**, Color: Black, Condition: Centre-gated, Condition: Machining feedstock, Size: 152x152 mm



Rod

ES397920 Diameter: **10.7mm**, Length: 100 mm to 1000 mm

ES397930 Diameter: **13.7mm**, Length: 100 mm to 1000 mm

Vectra B® - Liquid Crystal Polyester/ amide copolymer (Vectra B®)



Rod

ES327903 Diameter: **3 mm**, Made from: Liquid Crystal polymer, Length: 100 mm to 1000 mm

ES327905 Diameter: **5 mm**, Made from: Liquid Crystal polymer, Length: 100 mm to 1000 mm

ES327910 Diameter: **10.5 mm**, Made from: Liquid Crystal polymer, Length: 100 mm to 1000 mm

Polymers

ES327920 Diameter: **18 mm**, Made from:
Liquid Crystal polymer, Length: 100 mm to
1000 mm

ES327930 Diameter: **30 mm**, Made from:
Liquid Crystal polymer, Length: 100 mm to
1000 mm

Vectra MT1300 - Liquid Crystalline Polyester (Vectra MT1300)



Rod

ET397910 Diameter: **10mm**, Color: Black, Condition:
Unfilled, Length: 100 mm to 1000 mm

Composites

Aluminum/Copper Metal Matrix Composite (Al77.9/SiC17.8/Cu 3.3/Mg 1.2/Mn 0.4)



Sheet

AL423200 Thickness: **2.0 mm**, Condition: Metal Matrix Composite, Reinforced with: Silicon Carbide particles, Size: 50x50 mm to 100x100 mm

AL423400 Thickness: **1.5 mm**, Condition: Metal Matrix Composite, Reinforced with: Silicon Carbide particles, Size: 50x50 mm to 100x100 mm



Rod

AL427915 Diameter: **1.5 mm**, Condition: Metal Matrix Composite, Reinforced with: Silicon Carbide particles, Length: 50 mm to 500 mm



Tube

AL427250 Outside Diameter: **25.4mm**, Wall Thickness: 1.0mm, Inside Diameter: 23.4mm, Condition: Metal Matrix Composite, Reinforced with: Silicon Carbide particles, Length: 100 mm to 1000 mm

Aluminum/Lithium Metal Matrix Composite (Al81/SiC15/Li 2/Cu 1.2/Mg 0.8)



Sheet

AL413160 Thickness: **1.6 mm**, Condition: Metal Matrix Composite, Reinforced with: Silicon Carbide particles, Size: 50x50 mm to 250x250 mm



Tube

AL417250 Outside Diameter: **24.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 22mm, Condition: Metal Matrix Composite, Reinforced with: Silicon Carbide particles, Length: 100 mm to 1000 mm

Carbon-Carbon Composite (Carbon fiber - Carbon matrix)



Sheet

C 413010 Thickness: **1.25mm**, Size: 50x50 mm to 150x150 mm

C 413020 Thickness: **1.6mm**, Size: 50x50 mm to 150x150 mm

C 413050 Thickness: **5mm**, Size: 50x50 mm to 150x150 mm

C 413100 Thickness: **10.0mm**, Size: 50x50 mm to 150x150 mm

Carbon/Epoxy Composite (Carbon fiber - Epoxy Resin Matrix)



Sheet

C 423025 Thickness: **0.25mm**, Tolerance: 20%, Size: 150x150 mm to 300x300 mm

C 423050 Thickness: **0.5mm**, Size: 150x150 mm to 300x300 mm

C 423085 Thickness: **0.85mm**, Size: 50x50 mm to 230x230 mm

C 423100 Thickness: **1.0mm**, Size: 100x100 mm to 300x300 mm

C 423130 Thickness: **1.3mm**, Size: 150x150 mm to 300x300 mm

C 423200 Thickness: **2.0mm**, Size: 100x100 mm to 300x300 mm

C 423250 Thickness: **3.5mm**, Size: 150x150 mm to 300x300 mm



Rod

C 427905 Diameter: **2mm**, Length: 500 mm to 1000 mm

C 427910 Diameter: **3mm**, Length: 500 mm to 1000 mm



Tube

C 427477 Outside Diameter: **47.6mm**, Wall Thickness: 1.9mm, Inside Diameter: 43.8mm, Condition: Ultra-straight tube, Straightness: +/- 0.25mm over 1500mm, Length: 100 mm to 1500 mm

Carbon/Polyaramid (Carbon fiber - Polyaramid fiber)



Fabric

C 403530 Weight.m⁻²: **159g**, Ends x Picks/10cm: 47x47, Warp Yarn: 200(C) - 158(K)Tex, Weft Yarn: 200(C) - 158(K)Tex, Weave: 2/2 Twill, Thickness: 0.2mm, Coil width 1000 mm, Size: 150x150 mm to 500x500 mm

C 403528 Weight.m⁻²: **188g**, Ends x Picks/10cm: 50x50, Warp Yarn: 200(C) - 158(K)Tex, Weft Yarn: 200(C) - 158(K)Tex, Weave: Plain, Thickness: 0.3mm, Size: 150x150 mm to 1000x1000 mm

C 403521 Weight.m⁻²: **210g**, Ends x Picks/10cm: 67x67, Warp Yarn: 200(C) - 158(K)Tex, Weft Yarn: 200(C) - 158(K)Tex, Weave: 3/1 Twill, Thickness: 0.3mm, Size: 150x150 mm to 1000x1000 mm

Carbon/Polyetheretherketone Composite (Carbon fiber - PEEK Matrix)



Sheet

EK403010 Thickness: **1.0mm**, Grade: APC 2, Condition: 8-ply Quasi-isotropic, Size: 50x50 mm to 150x150 mm

Carbon/Vinylester (Carbon fiber - Vinylester Matrix)



Rod

VE407910 Diameter: **1.0mm**, Condition: Pultruded, Length: 1000 mm

VE407930 Diameter: **5.0mm**, Condition: Pultruded, Length: 500 mm to 1000 mm

VE407940 Diameter: **6.0mm**, Condition: Pultruded, Length: 500 mm to 1000 mm

VE407950 Diameter: **10.0mm**, Condition: Pultruded, Length: 200 mm to 1000 mm



Tube

VE407211 Outside Diameter: **6.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 4mm, Condition: Pultruded, Length: 500 mm to 1000 mm

Composites

VE407320 Outside Diameter: **8.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 5mm, Condition: Pultruded, Length: 200 mm to 984 mm

VE407321 Outside Diameter: **8.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 6mm, Condition: Pultruded, Length: 200 mm to 1000 mm

VE407430 Outside Diameter: **10.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 7mm, Condition: Pultruded, Length: 200 mm to 1000 mm

VE407541 Outside Diameter: **16.0mm**, Wall Thickness: 1.75mm, Inside Diameter: 12.5mm, Condition: Pultruded, Length: 500 mm to 1000 mm

VE407650 Outside Diameter: **25.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 22mm, Condition: Pultruded, Length: 100 mm to 1000 mm

E-glass/Epoxy (Boro-silicate glass/Epoxy)



Sheet

SI403210 Thickness: **0.3mm**, Size: 150x150 mm to 300x300 mm

SI403220 Thickness: **0.5mm**, Size: 150x150 mm to 300x300 mm

SI403240 Thickness: **1.0mm**, Size: 150x150 mm to 300x300 mm

SI403260 Thickness: **1.6mm**, Size: 150x150 mm to 300x300 mm

SI403280 Thickness: **3.0mm**, Size: 150x150 mm to 300x300 mm

SI403300 Thickness: **5.5mm**, Size: 150x150 mm to 300x300 mm

Fabric Reinforced Phenolic (Phenol)



Sheet

PL403020 Thickness: **1.6mm**, Size: 145x145 mm to 295x295 mm

LE40 (Leather (compacted))



Lump

LE406100 Max. Lump size: **5mm**, Color: Black

Polyaramid/Polyphenylenesulfide Composite (Polyaramid fiber - PPS Matrix)



Sheet

SU403100 Thickness: **6.35mm**, Reinforcement: Randomly oriented chopped fiber, Size: 100x100 mm to 300x300 mm



Rod

SU407920 Diameter: **6.35mm**, Reinforcement: Randomly oriented chopped fiber, Length: 100 mm to 1000 mm

SU407924 Diameter: **8.0mm**, Reinforcement: Randomly oriented chopped fiber, Length: 100 mm to 1000 mm

SU407950 Diameter: **25.0mm**, Reinforcement: Randomly oriented chopped fiber, Length: 100 mm to 1000 mm

SU407980 Diameter: **50mm**, Reinforcement: Randomly oriented chopped fiber, Length: 100 mm

Polyaramid/Vinylester Composite (Polyaramid fiber - Vinylester matrix)



Rod

VE417920 Diameter: **2.0mm**, Condition: Pultruded, Length: 500 mm to 1000 mm

VE417940 Diameter: **5.0mm**, Condition: Pultruded, Length: 500 mm to 1000 mm

VE417960 Diameter: **6.0mm**, Condition: Pultruded, Length: 200 mm to 1000 mm

VE417980 Diameter: **10.0mm**, Condition: Pultruded, Length: 200 mm to 1000 mm



Tube

VE417210 Outside Diameter: **6.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 3mm, Condition: Pultruded, Length: 500 mm to 1000 mm

VE417320 Outside Diameter: **8.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 5mm, Condition: Pultruded, Length: 200 mm to 1000 mm

VE417430 Outside Diameter: **10.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 7mm, Condition: Pultruded, Length: 200 mm to 1000 mm

VE417540 Outside Diameter: **15.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 12mm, Condition: Pultruded, Length: 100 mm to 1000 mm

VE417650 Outside Diameter: **25.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 22mm, Condition: Pultruded, Length: 100 mm to 1000 mm

Polyethylene/Polyethylene Composite (PE fibre - PE matrix)



Sheet

ET403020 Thickness: **2mm**, Size: 85x85 mm to 85x175 mm

ET403060 Thickness: **6mm**, Size: 60x60 mm to 125x125 mm

Polypropylene-Polypropylene composite (PP fiber - PP matrix)

Curv



Sheet

PP403030 Thickness: **0.3mm**, Size: 150x150 mm to 600x600 mm

PP403090 Thickness: **0.9mm**, Size: 150x150 mm to 600x600 mm

PP403200 Thickness: **2.0mm**, Size: 150x150 mm to 600x600 mm

PP403300 Thickness: **3.0mm**, Size: 150x150 mm to 600x600 mm

Glasses

Chromaloy O[®] - Resistance Alloy (Fe75/Cr20/Al 5)



Wire

FE885125 Diameter: **0.25mm**, Temper: Annealed

FE885150 Diameter: **0.5mm**, Temper: Annealed

Cobalt/Boron/Silicon/Iron/ Molybdenum/Nickel (Co69/B 12/Si12/Fe 4/Mo 2/Ni 1)



Foil

CO820250 Thickness: **0.025mm**, Condition: Metallic Glass,
Coil width 50 mm Length : 0.5 m to 20 m

Cobalt/Silicon/Boron/Iron/Nickel (Co66/Si15/B 14/Fe 4/Ni 1)



Foil

CO810220 Thickness: **0.018mm**, Condition: Metallic Glass,
Coil width 50.8 mm Length : 0.5 m to 10 m

CO810250 Thickness: **0.025mm**, Condition: Metallic Glass,
Coil width 25 mm Length : 0.5 m to 10 m

Cobalt/Silicon/Boron/Manganese (Co70/Si + B 23/Mn 5/Fe + Mo 2)



Foil

CO830250 Thickness: **0.025mm**, Condition: Metallic Glass,
Coil width 25 mm Length : 0.5 m to 100 m

CO830400 Thickness: **0.04mm**, Condition: Metallic Glass,
Coil width 25 mm Length : 0.5 m to 50 m

Cobalt/Silicon/Molybdenum/Iron/ Boron/Niobium (Co78/Si 9/Mo 5/Fe 4/B 2/Nb 2)



Foil

CO840230 Thickness: **0.023mm**, Condition: Metallic Glass,
Coil width 20 mm Length : 1 m to 20 m

CO840300 Thickness: **0.03mm**, Condition: Metallic Glass,
Coil width 20 mm Length : 0.5 m to 10 m

Iron/Boron/Silicon (Fe81/B 13.5/Si 3.5/C 2)



Foil

FE800250 Thickness: **0.025mm**, Condition: Metallic Glass,
Coil width 50 mm Length : 0.5 m to 10 m

Iron/Boron/Silicon (Fe78/B 13/Si 9)



Foil

FE810250 Thickness: **0.025mm**, Condition: Metallic Glass,
Coil width 50 mm Length : 0.5 m to 10 m

Iron/Boron/Silicon (Fe79/B 16/Si 5)



Foil

FE820250 Thickness: **0.025mm**, Condition: Metallic Glass,
Coil width 50 mm Length : 0.5 m to 10 m

Iron/Boron/Silicon (Fe77.5/B 15/Si 7.5)



Wire

FE845020 Diameter: **0.02mm**, Condition: Metallic Glass

FE845050 Diameter: **0.05mm**, Condition: Metallic Glass

FE845100 Diameter: **0.125mm**, Condition: Metallic Glass

Iron/Nickel/Boron (Fe40/Ni38/B 18/Mo 4)



Foil

FE830250 Thickness: **0.025mm**, Condition: Metallic Glass,
Coil width 50 mm Length : 0.5 m to 10 m

Magnetic Copper (Cu99.96/Fe 0.04)



Wire

CU805100 Diameter: **0.5mm**, Filament diameter:
0.1 microns, Number of filaments: 16

Nickel/Boron/Silicon (Ni78/B 14/Si 8)



Foil

NI800250 Thickness: **0.025mm**, Condition: Metallic Glass,
Coil width 25 mm Length : 0.5 m to 10 m

NI800400 Thickness: **0.04mm**, Condition: Metallic Glass,
Coil width 25 mm Length : 0.5 m to 10 m

Nickel/Iron/Silicon/Boron (Ni40/Fe40/Si + B 19/Mo 1-2)



Foil

NI810250 Thickness: **0.025mm**, Condition: Metallic Glass,
Coil width 25 mm Length : 0.5 m to 100 m

NI810400 Thickness: **0.04mm**, Condition: Metallic Glass,
Coil width 25 mm Length : 0.5 m to 50 m

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METAL DATA TABLE - PHYSICAL PROPERTIES

		Ag	Al	As	Au	B	Ba	Be
Atomic Properties								
Atomic number		47	13	33	79	5	56	4
Atomic radius - Goldschmidt	nm	0.144	0.143	0.125	0.144	0.097	0.224	0.113
Atomic weight	amu	107.8682	26.98154	74.9216	196.9665	10.81	137.33	9.01218
Crystal structure		Face Centered Cubic	Face Centered Cubic	Rhombohedral	Face Centered Cubic	Tetragonal	Body Centered Cubic	Hexagonal close packed
Electronic structure		Kr 4d ¹⁰ 5s ¹	Ne 3s ² 3p ¹	Ar 3d ¹⁰ 4s ² 4p ³	Xe 4f ¹⁴ 5d ¹⁰ 6s ¹	He 2s ² 2p ¹	Xe 6s ²	He 2s ²
Photo-electric work function	eV	4.7	4.2	5.1	4.8	4.5	2.5	3.4
Thermal neutron absorption cross-section	Barns	63.8	0.232	4.3	98.8	672	1.2	0.0092
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		1, 2	3	-3, 0, 3, 5	1, 3	3	2	2
Natural isotope distribution	Mass No./%	107 - 51.83	27 - 100	75 - 100	197 - 100	10 - 19.8	130 - 0.1	9 - 100
		109 - 48.17	-	-	-	11 - 80.2	132 - 0.1	-
		-	-	-	-	-	134 - 2.4	-
		-	-	-	-	-	135 - 6.6	-
		-	-	-	-	-	136 - 7.9	-
		-	-	-	-	-	137 - 11.2	-
		-	-	-	-	-	138 - 71.7	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Ionization potential	No./eV	1 - 7.58	1 - 5.99	1 - 9.81	1 - 9.22	1 - 8.30	1 - 5.21	1 - 9.32
		2 - 21.5	2 - 18.8	2 - 18.6	2 - 20.5	2 - 25.2	2 - 10.0	2 - 18.2
		3 - 34.8	3 - 28.4	3 - 28.4	-	3 - 37.9	-	3 - 154
		-	4 - 120	4 - 50.1	-	4 - 259	-	4 - 218
		-	5 - 154	5 - 62.6	-	5 - 340	-	-
		-	6 - 190	6 - 128	-	-	-	-
Physical Properties								
Boiling point	C	2212	2467	616	3080	3700	1640	2470
Density	g cm ⁻³	10.5 @20C	2.70 @20C	5.73 @20C	19.30 @20C	2.34-2.37 @20C	3.5 @20C	1.848 @20C
Melting point	C	961.9	660.4	Sublimes > 300	1064.4	2180	725	1278
Electrical Properties								
Electrical resistivity	μOhmcm	1.63 @20C	2.67 @20C	33.3 @20C	2.20 @20C	1.8x10 ¹² @27C	-	3.3 @20C
Temperature coefficient	K ⁻¹	0.0041 @0-100C	0.0045 @0-100C	-	0.0040 @0-100C	-	-	0.0090 @0-100C
Superconductivity critical temperature	K	-	1.175	-	-	-	-	0.026
Thermal emf against Pt (cold 0C - hot 100C)	mV	+0.74	+0.42	-	+0.74	-	-	-
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	19.1 @0-100C	23.5 @0-100C	5.6 @0-100C	14.1 @0-100C	8.3 @0-100C	18 @0-100C	12.0 @0-100C
Latent heat of evaporation	J g ⁻¹	2390	10800	-	1738	35000	1100	32470
Latent heat of fusion	J g ⁻¹	103	388	370	64.9	2090	55.8	1350
Specific heat	J K ⁻¹ kg ⁻¹	237 @25C	900 @25C	328 @25C	129 @25C	1030 @25C	192 @25C	1825 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	429 @0-100C	237 @0-100C	50.2 @0-100C	318 @0-100C	-	-	201 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		Bi	C	Ca	Cd	Ce	Co	Cr
Atomic Properties								
Atomic number		83	6	20	48	58	27	24
Atomic radius - Goldschmidt	nm	0.182	0.077	0.197	0.152	0.182	0.125	0.128
Atomic weight	amu	208.9804	12.011	40.08	112.41	140.12	58.9332	51.996
Crystal structure		Rhombohedral	Hexagonal/Diamond	Face Centered Cubic	Hexagonal close packed	Face Centered Cubic	Hexagonal close packed	Body Centered Cubic
Electronic structure		Xe 4f ¹⁴ 5d ¹⁰ 6s ² 6p ³	He 2s ² 2p ²	Ar 4s ²	Kr 4d ¹⁰ 5s ²	Xe 4f ² 6s ²	Ar 3d ⁷ 4s ²	Ar 3d ⁵ 4s ¹
Photo-electric work function	eV	4.4	4.8	2.87	4.0	2.9	5.0	4.4
Thermal neutron absorption cross-section	Barns	0.034	0.0034	0.44	2450	0.73	37.5	3.1
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		3, 5	2, 3, 4	2	2	3, 4	2, 3	2, 3, 6
Natural isotope distribution	Mass No./%	209 - 100	12 - 98.89	40 - 96.941	106 - 1.2	136 - 0.2	59 - 100	50 - 4.35
		-	13 - 1.11	42 - 0.647	108 - 0.9	138 - 0.3	-	52 - 83.79
		-	-	43 - 0.135	110 - 12.4	140 - 88.4	-	53 - 9.50
		-	-	44 - 2.086	111 - 12.8	142 - 11.1	-	54 - 2.36
		-	-	46 - 0.004	112 - 24.0	-	-	-
		-	-	48 - 0.187	113 - 12.3	-	-	-
		-	-	-	114 - 28.8	-	-	-
		-	-	-	116 - 7.6	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Ionization potential	No./eV	1 - 7.29	1 - 11.26	1 - 6.11	1 - 8.99	1 - 5.47	1 - 7.86	1 - 6.77
		2 - 16.7	2 - 24.38	2 - 11.87	2 - 16.9	2 - 10.85	2 - 17.06	2 - 16.5
		3 - 25.6	3 - 47.9	3 - 50.9	3 - 37.5	3 - 20.20	3 - 33.5	3 - 31.0
		4 - 45.3	4 - 64.5	4 - 67.1	-	4 - 36.72	4 - 51.3	4 - 49.1
		5 - 56.0	5 - 392	5 - 84.4	-	-	5 - 79.5	5 - 69.3
		6 - 88.3	6 - 490	6 - 109	-	-	6 - 102	6 - 90.6
Physical Properties								
Boiling point	C	1560	5000	1484	765	3426	2870	2672
Density	g cm ⁻³	9.80 @20C	2.25 @20C	1.55 @20C	8.64 @20C	6.75 @20C	8.9 @20C	7.1 @20C
Melting point	C	271.3	3650	839	321	799	1495	1857
Electrical Properties								
Electrical resistivity	μOhmcm	117 @20C	1375 @0C	3.7 @20C	7.3 @20C	85.4 @20C	6.34 @20C	13.2 @20C
Temperature coefficient	K ⁻¹	0.0046 @0-100C	-	0.00457 @0-100C	0.0043 @0-100C	0.0087 @0-100C	0.0066 @0-100C	0.00214 @0-100C
Superconductivity critical temperature	K	-	-	-	0.517	-	-	-
Thermal emf against Pt (cold 0C - hot 100C)	mV	-7.34	+0.70	-0.51	+0.91	+1.14	-1.33	-
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	13.4 @0-100C	0.6-4.3 @0-100C	22.0 @0-100C	31.0 @0-100C	8.0 @0-100C	12.5 @0-100C	6.5 @0-100C
Latent heat of evaporation	J g ⁻¹	857	-	3760	886	2680	6490	6580
Latent heat of fusion	J g ⁻¹	52	-	209	57	37.3	263	260
Specific heat	J K ⁻¹ kg ⁻¹	124 @25C	712 @25C	653 @25C	232 @25C	205 @25C	456 @25C	518 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	7.9 @0-100C	80-240 @0-100C	125 @0-100C	96.9 @0-100C	11.3 @0-100C	100 @0-100C	94 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		Cs	Cu	Dy	Er	Eu	Fe	Ga
Atomic Properties								
Atomic number		55	29	66	68	63	26	31
Atomic radius - Goldschmidt	nm	0.27	0.128	0.177	0.175	0.204	0.128	0.135
Atomic weight	amu	133	63.546	162.50	167.26	151.96	55.847	69.72
Crystal structure		Body Centered Cubic	Face Centered Cubic	Hexagonal close packed	Hexagonal close packed	Body Centered Cubic	Body Centered Cubic	Orthorhombic
Electronic structure		Xe 6s ¹	Ar 3d ¹⁰ 4s ¹	Xe 4f ¹⁰ 6s ²	Xe 4f ¹² 6s ²	Xe 4f ⁷ 6s ²	Ar 3d ⁶ 4s ²	Ar 3d ¹⁰ 4s ² 4p ¹
Photo-electric work function	eV	2.14	4.5	-	-	2.5	4.4	4.2
Thermal neutron absorption cross-section	Barns	29	3.8	930	160	4100	2.56	3.1
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		1	1, 2	3	3	2, 3	2, 3, 4, 6	2, 3
Natural isotope distribution	Mass No./%	132.91 - 100	63 - 69.2	156 - 0.06	162 - 0.1	151 - 47.8	54 - 5.8	69 - 60
		-	65 - 30.8	158 - 0.10	164 - 1.6	153 - 52.2	56 - 91.8	71 - 40
		-	-	160 - 2.34	166 - 33.4	-	57 - 2.1	-
		-	-	161 - 18.90	167 - 22.9	-	58 - 0.3	-
		-	-	162 - 25.50	168 - 27.0	-	-	-
		-	-	163 - 24.90	170 - 15.0	-	-	-
		-	-	164 - 28.20	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Ionization potential	No./eV	1 - 3.89	1 - 7.73	1 - 5.93	1 - 6.10	1 - 5.67	1 - 7.87	1 - 5.99
		2 - 25.10	2 - 20.29	2 - 11.67	2 - 11.93	2 - 11.25	2 - 16.18	2 - 20.51
		-	3 - 36.8	-	-	-	3 - 30.65	3 - 30.71
		-	4 - 55.2	-	-	-	4 - 54.8	4 - 64.0
		-	5 - 79.9	-	-	-	5 - 75.0	-
		-	6 - 103	-	-	-	6 - 99	-
Physical Properties								
Boiling point	C	705	2567	2562	2863	1597	2750	2205
Density	g cm ⁻³	1.90 @20C	8.96 @20C	8.536 @20C	9.051 @20C	5.243 @25C	7.87 @20C	5.904 @20C
Melting point	C	28.5	1083	1412	1529	822	1535	29.8
Electrical Properties								
Electrical resistivity	μOhmcm	20 @20C	1.69 @20C	91 @20C	86 @20C	90.0 @25C	10.1 @20C	15.5 @20C
Temperature coefficient	K ⁻¹	0.0044 @0-100C	0.0043 @0-100C	0.0012 @0-100C	0.00201 @0-100C	0.0048 @0-100C	0.0065 @0-100C	0.004 @0-100C
Superconductivity critical temperature	K	-	-	-	-	-	-	1.08
Thermal emf against Pt (cold 0C - hot 100C)	mV	-	+0.76	-	-	-	+1.98	-
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	97 @1-26C	17.0 @0-100C	8.6 @0-100C	9.2 @0-100C	32.0 @0-100C	12.1 @0-100C	18.3 @0-100C
Latent heat of evaporation	J g ⁻¹	611	4796	1725	1680	1155	6095	3984
Latent heat of fusion	J g ⁻¹	15.78	205	105	103	63.4	272	80.1
Specific heat	J K ⁻¹ kg ⁻¹	230 @25C	385 @25C	173 @25C	168 @25C	176 @25C	444 @25C	330 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	-	401 @0-100C	10.7 @0-100C	14.5 @0-100C	13.9 @0-100C	80.4 @0-100C	33-41 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		Gd	Ge	Hf	Hg	Ho	In	Ir
Atomic Properties								
Atomic number		64	32	72	80	67	49	77
Atomic radius - Goldschmidt	nm	0.180	0.139	0.159	0.155	0.176	0.157	0.135
Atomic weight	amu	157.25	72.59	178.49	200.59	164.9304	114.82	192.22
Crystal structure		Hexagonal close packed	Diamond	Hexagonal close packed	Rhomboidal	Hexagonal close packed	Face Centered Tetragonal	Face Centered Cubic
Electronic structure		Xe 4f ⁷ 5d ¹ 6s ²	Ar 3d ¹⁰ 4s ² 4p ²	Xe 4f ¹⁴ 5d ² 6s ²	Xe 4f ¹⁴ 5d ¹⁰ 6s ²	Xe 4f ¹¹ 6s ²	Kr 4d ¹⁰ 5s ² 5p ¹	Xe 4f ¹⁴ 5d ⁷ 6s ²
Photo-electric work function	eV	3.1	4.8	3.9	4.49	-	4.12	4.6
Thermal neutron absorption cross-section	Barns	49000	2.3	103	375	65	194	425
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		3	2, 4	4	1, 2	3	1, 2, 3	3, 4
Natural isotope distribution	Mass No./ %	152 - 0.2	70 - 20.5	174 - 0.2	196 - 0.2	165 - 100	113 - 4.3	191 - 37.3
		154 - 2.2	72 - 27.4	176 - 5.2	198 - 10.1	-	115 - 95.7	193 - 62.7
		155 - 14.8	73 - 7.8	177 - 18.5	199 - 16.9	-	-	-
		156 - 20.5	74 - 36.5	178 - 27.1	200 - 23.1	-	-	-
		157 - 15.7	76 - 7.8	179 - 13.8	201 - 13.2	-	-	-
		158 - 24.8	-	180 - 35.2	202 - 29.7	-	-	-
		160 - 21.8	-	-	204 - 6.8	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Ionization potential	No./eV	1 - 6.14	1 - 7.90	1 - 7.0	1 - 10.44	1 - 6.02	1 - 5.79	1 - 9.1
		2 - 12.1	2 - 15.93	2 - 14.9	2 - 18.76	2 - 11.80	2 - 18.9	-
		-	3 - 34.22	3 - 23.3	3 - 34.2	-	3 - 28.0	-
		-	4 - 45.7	4 - 33.3	-	-	4 - 54	-
		-	5 - 93.5	-	-	-	-	-
		-	-	-	-	-	-	-
Physical Properties								
Boiling point	C	3266	2830	4602	357	2695	2080	4130
Density	g cm ⁻³	7.895 @25C	5.32 @20C	13.1 @20C	13.6 @20C	8.803 @20C	7.3 @20C	22.4 @20C
Melting point	C	1313	937.4	2227	-38.87	1474	156.6	2410
Electrical Properties								
Electrical resistivity	μOhmcm	134 @20C	46x10 ⁶ @22C	32.2 @20C	95.9 @20C	94 @20C	8.8 @20C	5.1 @20C
Temperature coefficient	K ⁻¹	0.00176 @0-100C	-	0.0044 @0-100C	0.001 @0-100C	0.00171 @0-100C	0.0052 @0-100C	0.0045 @0-100C
Superconductivity critical temperature	K	-	-	0.128	4.15	-	3.41	0.11
Thermal emf against Pt (cold 0C - hot 100C)	mV	-	+33.9	-	0.045	-	+0.69	+0.65
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	6.4 @0-100C	5.75 @0-100C	6.0 @0-100C	61 @0-100C	9.5 @0-400C	24.8 @0-100C	6.8 @0-100C
Latent heat of evaporation	J g ⁻¹	1920	4516	3700	300	1695	2024	3186
Latent heat of fusion	J g ⁻¹	98.7	465	122	11.5	104	28.5	135
Specific heat	J K ⁻¹ kg ⁻¹	230 @25C	322 @25C	146 @25C	138 @25C	165 @25C	234 @25C	133 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	10.5 @0-100C	60.2 @0-100C	23.0 @0-100C	8.65 @0-100C	16.2 @0-100C	81.8 @0-100C	147 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		K	La	Li	Lu	Mg	Mn	Mo
Atomic Properties								
Atomic number		19	57	3	71	12	25	42
Atomic radius - Goldschmidt	nm	0.238	0.187	0.157	0.173	0.160	0.112	0.140
Atomic weight	amu	39.0983	138.9055	6.941	174.967	24.305	54.938	95.94
Crystal structure		Body Centered Cubic	Hexagonal close packed/ Face Centered Cubic	Body Centered Cubic	Hexagonal close packed	Hexagonal close packed	Body Centered Cubic	Body Centered Cubic
Electronic structure		Ar 4s ¹	Xe 5d ¹ 6s ²	He 2s ¹	Xe 4f ¹⁴ 5d ¹ 6s ²	Ne 3s ²	Ar 3d ⁵ 4s ²	Kr 4d ⁵ 5s ¹
Photo-electric work function	eV	2.2	3.5	2.4	3.3	3.66	3.8	4.2
Thermal neutron absorption cross-section	Barns	1.8	8.9	63	75	0.064	13.3	2.65
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		1	3	1	3	2	1, 2, 3, 4, 6, 7	2, 3, 4, 5, 6
Natural isotope distribution	Mass No./ %	39 - 93.26	138 - 0.09	6 - 7.5	175 - 97.4	24 - 78.99	55 - 100	92 - 14.8
		40 - 0.01	139 - 99.91	7 - 92.5	176 - 2.6	25 - 10.00	-	94 - 9.3
		41 - 6.73	-	-	-	26 - 11.01	-	95 - 15.9
		-	-	-	-	-	-	96 - 16.7
		-	-	-	-	-	-	97 - 9.6
		-	-	-	-	-	-	98 - 24.1
		-	-	-	-	-	-	100 - 9.6
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Ionization potential	No./eV	1 - 4.34	1 - 5.58	1 - 5.39	1 - 5.43	1 - 7.65	1 - 7.43	1 - 7.10
		2 - 31.6	2 - 11.06	2 - 75.6	2 - 13.9	2 - 15.03	2 - 15.64	2 - 16.15
		3 - 45.7	3 - 19.18	3 - 122.4	-	3 - 80.1	3 - 33.67	3 - 27.2
		4 - 60.9	-	-	-	4 - 109	4 - 51.2	4 - 46.4
		5 - 82.7	-	-	-	5 - 141	5 - 72.4	5 - 61.2
		6 - 100	-	-	-	6 - 187	6 - 95	6 - 68
Physical Properties								
Boiling point	C	760	3457	1342	3395	1090	1962	4612
Density	g cm ⁻³	0.86 @20C	6.174 @20C	0.534 @20C	9.842 @20C	1.74 @20C	7.4 @20C	10.22 @20C
Melting point	C	63.25	921	180.5	1663	649	1244	2617
Electrical Properties								
Electrical resistivity	μOhmcm	6.8 @20C	57 @20C	9.29 @20C	68 @20C	4.2 @20C	160 @20C	5.7 @20C
Temperature coefficient	K ⁻¹	0.0057 @0-100C	0.00218 @0-100C	0.00435 @0-100C	0.0024 @0-100C	0.00425 @0-100C	-	0.00435 @0-100C
Superconductivity critical temperature	K	-	4.88	-	0.1	-	-	0.915
Thermal emf against Pt (cold 0C - hot 100C)	mV	-	-	+ 1.82	-	+ 0.44	-	+ 1.45
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	83 @0-100C	4.9 @0-100C	56 @0-100C	12.5 @0-400C	26.0 @0-100C	23.0 @0-100C	5.1 @0-100C
Latent heat of evaporation	J g ⁻¹	2033	2897	19600	2155	5254	4207	6153
Latent heat of fusion	J g ⁻¹	61	60.2	422	110	362	267	290
Specific heat	J K ⁻¹ kg ⁻¹	753 @25C	197 @25C	3560 @25C	155 @25C	1020 @25C	477 @25C	251 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	102.5 @0-100C	13.4 @0-100C	84.8 @0-100C	16.4 @0-100C	156 @0-100C	7.81 @0-100C	138 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		Na	Nb	Nd	Ni	Os	Pb	Pd
Atomic Properties								
Atomic number		11	41	60	28	76	82	46
Atomic radius - Goldschmidt	nm	0.192	0.147	0.182	0.125	0.135	0.175	0.137
Atomic weight	amu	22.99	92.9064	144.24	58.69	190.2	207.2	106.42
Crystal structure		Body Centered Cubic	Body Centered Cubic	Hexagonal close packed	Face Centered Cubic	Hexagonal close packed	Face Centered Cubic	Face Centered Cubic
Electronic structure		Ne 3s ¹	Kr 4d ⁴ 5s ¹	Xe 4f ⁴ 6s ²	Ar 3d ⁸ 4s ²	Xe 4f ¹⁴ 5d ⁶ 6s ²	Xe 4f ¹⁴ 5d ¹⁰ 6s ² 6p ²	Kr 4d ¹⁰
Photo-electric work function	eV	212	4.3	3.2	4.9	4.8	4.0	5.0
Thermal neutron absorption cross-section	Barns	0.54	1.15	49	4.54	15.3	0.18	6.0
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		1	2, 3, 4, 5	3	0, 1, 2, 3	0, 1, 2, 3, 4, 5, 6, 7, 8	2, 4	2, 3, 4
Natural isotope distribution	Mass No./%	23 - 100	93 - 100	142 - 27.2	58 - 68.27	184 - 0.02	204 - 1.4	102 - 1.0
		-	-	143 - 12.2	60 - 26.10	186 - 1.58	206 - 24.1	104 - 11.0
		-	-	144 - 23.8	61 - 1.13	187 - 1.6	207 - 22.1	105 - 22.2
		-	-	145 - 8.3	62 - 3.59	188 - 13.3	208 - 52.4	106 - 27.3
		-	-	146 - 17.2	64 - 0.91	189 - 16.1	-	108 - 26.7
		-	-	148 - 5.7	-	190 - 26.4	-	110 - 11.8
		-	-	150 - 5.6	-	192 - 41.0	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Ionization potential	No./eV	1 - 5.14	1 - 6.88	1 - 5.49	1 - 7.63	1 - 8.7	1 - 7.42	1 - 8.3
		2 - 47.30	2 - 14.3	2 - 10.72	2 - 18.2	2 - 16	2 - 15.03	2 - 19.4
		3 - 71.64	3 - 25.0	-	3 - 35.2	-	3 - 31.9	3 - 32.9
		4 - 98.91	4 - 38.3	-	4 - 54.9	-	4 - 42.3	-
		5 - 138.39	5 - 50.5	-	5 - 75.5	-	5 - 68.8	-
		6 - 172.15	6 - 103	-	6 - 108	-	-	-
Physical Properties								
Boiling point	C	883	4742	3068	2732	5027	1740	3140
Density	g cm ⁻³	0.97 @20C	8.57 @20C	7.004 @20C	8.9 @20C	22.5 @20C	11.35 @20C	12.0 @20C
Melting point	C	97.8	2468	1021	1453	3045	327.5	1554
Electrical Properties								
Electrical resistivity	μOhmcm	4.9 @27C	16 @20C	64 @20C	6.9 @20C	8.8 @20C	20.6 @20C	10.8 @20C
Temperature coefficient	K ⁻¹	0.0055 @0-100C	0.0026 @0-100C	0.00164 @0-100C	0.0068 @0-100C	0.0041 @0-100C	0.0042 @0-100C	0.0042 @0-100C
Superconductivity critical temperature	K	-	9.25	-	-	0.66	7.196	-
Thermal emf against Pt (cold 0C - hot 100C)	mV	-	-	-	-1.48	-	+0.44	-0.57
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	71 @0-100C	7.2 @0-100C	6.7 @0-100C	13.3 @0-100C	4.57 @0-100C	29.0 @0-100C	11.0 @0-100C
Latent heat of evaporation	J g ⁻¹	4260	7360	2000	6378	3305	862	3398
Latent heat of fusion	J g ⁻¹	113	290	75	292	154	23.2	157
Specific heat	J K ⁻¹ kg ⁻¹	-	268 @25C	205 @25C	444 @25C	131 @25C	159 @25C	244 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	128 @0-100C	53.7 @0-100C	13 @0-100C	90.9 @0-100C	87.6 @0-100C	35.3 @0-100C	71.8 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		Pr	Pt	Rb	Re	Rh	Ru	Sb
Atomic Properties								
Atomic number		59	78	37	75	45	44	51
Atomic radius - Goldschmidt	nm	0.183	0.138	0.251	0.138	0.134	0.134	0.161
Atomic weight	amu	140.9077	195.08	85.4678	186.207	102.9055	101.07	121.75
Crystal structure		Hexagonal close packed	Face Centered Cubic	Body Centered Cubic	Hexagonal close packed	Face Centered Cubic	Hexagonal close packed	Rhombohedral
Electronic structure		Xe 4f ³ 6s ²	Xe 4f ¹⁴ 5d ⁹ 6s ¹	Kr 5s ¹	Xe 4f ¹⁴ 5d ⁵ 6s ²	Kr 4d ⁸ 5s ¹	Kr 4d ⁷ 5s ¹	Kr 4d ¹⁰ 5s ² 5p ³
Photo-electric work function	eV	-	5.3	2.1	5.0	4.6	4.71	4.1
Thermal neutron absorption cross-section	Barns	11.5	9.0	0.5	85	150	3.0	5.0
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		3, 4	1, 2, 3, 4	1, 2, 3, 4	-1, 1, 2, 3, 4, 5, 6, 7	2, 3, 4, 5, 6	0, 1, 2, 3, 4, 5, 6, 7, 8	-3, 0, 3, 5
Natural isotope distribution	Mass No./%	141 - 100	190 - 0.01	85 - 72.17	185 - 37.4	103 - 100	96 - 5.5	121 - 57.3
		-	192 - 0.79	87 - 27.83	187 - 62.6	-	98 - 1.9	123 - 42.7
		-	194 - 32.90	-	-	-	99 - 12.7	-
		-	195 - 33.80	-	-	-	100 - 12.6	-
		-	196 - 25.30	-	-	-	101 - 17.1	-
		-	198 - 7.20	-	-	-	102 - 31.6	-
		-	-	-	-	-	104 - 18.6	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Ionization potential	No./eV	1 - 5.42	1 - 9.0	1 - 4.18	1 - 7.87	1 - 7.46	1 - 7.36	1 - 8.64
		2 - 10.55	2 - 18.6	2 - 27.3	2 - 16.6	2 - 18.1	2 - 16.8	2 - 16.53
		3 - 21.62	-	3 - 40.0	-	3 - 31.1	3 - 28.5	3 - 25.3
		4 - 38.95	-	4 - 52.6	-	-	-	4 - 44.2
		5 - 57.45	-	5 - 71.0	-	-	-	5 - 56.0
		-	-	6 - 84.4	-	-	-	6 - 108
Physical Properties								
Boiling point	C	3512	3827	686	5627	3727	3900	1750
Density	g cm ⁻³	6.782 @20C	21.45 @20C	1.532 @20C	21.0 @20C	12.4 @20C	12.2 @20C	6.68 @20C
Melting point	C	931	1772	38.89	3180	1965	2310	630.7
Electrical Properties								
Electrical resistivity	μOhmcm	68 @20C	10.58 @20C	12.1 @20C	18.7 @20C	4.7 @20C	7.7 @20C	40.1 @20C
Temperature coefficient	K ⁻¹	0.00171 @0-100C	0.00392 @0-100C	0.0048 @0-100C	0.0045 @0-100C	0.0044 @0-100C	0.0041 @0-100C	0.0051 @0-100C
Superconductivity critical temperature	K	-	-	-	1.70	-	0.49	-
Thermal emf against Pt (cold 0C - hot 100C)	mV	-	-	-	-	+0.70	-	+4.89
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	4.8 @0-100C	9.0 @0-100C	9.0 @0-100C	6.6 @0-100C	8.5 @0-100C	9.6 @0-100C	9.0 @0-100C
Latent heat of evaporation	J g ⁻¹	2343	2405	887	3824	4800	5610	1370
Latent heat of fusion	J g ⁻¹	80	101	25.7	179.9	210	252	163
Specific heat	J K ⁻¹ kg ⁻¹	192 @25C	133 @25C	360 @25C	138 @25C	244 @25C	238 @25C	205 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	12.5 @0-100C	71.6 @0-100C	58.2 @0-100C	48.0 @0-100C	150 @0-100C	117 @0-100C	24.4 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		Sc	Se	Si	Sm	Sn	Ta	Tb
Atomic Properties								
Atomic number		21	34	14	62	50	73	65
Atomic radius - Goldschmidt	nm	0.160	0.116	0.117	0.180	0.158	0.147	0.177
Atomic weight	amu	44.9559	78.96	28.0855	150.36	118.69	180.9479	158.9254
Crystal structure		Hexagonal close packed	Hexagonal	Diamond	Rhomboidal	Tetragonal	Body Centered Cubic	Hexagonal close packed
Electronic structure		Ar 3d ¹ 4s ²	Ar 3d ¹⁰ 4s ² 4p ⁴	Ne 3s ² 3p ²	Xe 4f ⁶ 6s ²	Kr 4d ¹⁰ 5s ² 5p ²	Xe 4f ¹⁴ 5d ³ 6s ²	Xe 4f ⁹ 6s ²
Photo-electric work function	eV	3.5	5.9	4.2	2.7	4.3	4.1	3.0
Thermal neutron absorption cross-section	Barns	25	12.2	0.16	5820	0.63	22	30
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		3	-2, 4, 6	4	2, 3	2, 4	2, 3, 4, 5	3, 4
Natural isotope distribution	Mass No./ %	45 - 100	74 - 0.9	28 - 92.23	144 - 3.1	112 - 1.0	180 - 0.012	159 - 100
		-	76 - 9.0	29 - 4.67	147 - 15.1	114 - 0.7	181 - 99.988	-
		-	77 - 7.6	30 - 3.10	148 - 11.3	115 - 0.4	-	-
		-	78 - 23.5	-	149 - 13.9	116 - 14.7	-	-
		-	80 - 49.8	-	150 - 7.4	117 - 7.7	-	-
		-	82 - 9.2	-	152 - 26.6	118 - 24.3	-	-
		-	-	-	154 - 22.6	119 - 8.6	-	-
		-	-	-	-	120 - 32.4	-	-
		-	-	-	-	122 - 4.6	-	-
		-	-	-	-	124 - 5.6	-	-
Ionization potential	No./eV	1 - 6.54	1 - 9.75	1 - 8.15	1 - 5.63	1 - 7.34	1 - 7.88	1 - 5.85
		2 - 12.8	2 - 21.2	2 - 16.3	2 - 11.07	2 - 14.63	2 - 16.2	2 - 11.52
		3 - 24.8	3 - 30.8	3 - 33.5	-	3 - 30.5	-	-
		4 - 73.5	4 - 42.9	4 - 45.1	-	4 - 40.7	-	-
		5 - 91.7	5 - 68.3	5 - 167	-	5 - 72.3	-	-
		6 - 111	6 - 81.7	6 - 205	-	-	-	-
Physical Properties								
Boiling point	C	2831	685	2355	1791	2270	5425	3123
Density	g cm ⁻³	2.99 @20C	4.79 @20C	2.34 @20C	7.536 @20C	7.28 @20C	16.6 @20C	8.272 @20C
Melting point	C	1541	217	1410	1077	231.9	2996	1356
Electrical Properties								
Electrical resistivity	μOhmcm	66 @20C	12 @20C	23 x 10 ¹⁰ @20C	92 @20C	12.6 @20C	13.5 @20C	116 @20C
Temperature coefficient	K ⁻¹	0.00282 @0-100C	-	-	0.00148 @0-100C	0.0046 @0-100C	0.0035 @0-100C	-
Superconductivity critical temperature	K	-	-	-	-	3.722	4.47	-
Thermal emf against Pt (cold 0C - hot 100C)	mV	-	-	-41.56	-	+0.42	+0.33	-
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	12 @0-100C	37 @0-100C	4.7-7.6 @0-100C	-	23.5 @0-100C	6.5 @0-100C	7.0 @0-100C
Latent heat of evaporation	J g ⁻¹	7293	333	13700	1280	2497	4165	1840
Latent heat of fusion	J g ⁻¹	357	69	1650	72.4	59.6	174	103
Specific heat	J K ⁻¹ kg ⁻¹	557 @25C	321 @25C	703 @25C	180 @25C	213 @25C	140 @25C	183 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	15.8 @0-100C	0.5 @0-100C	80-150 @0-100C	13.3 @0-100C	66.8 @0-100C	57.5 @0-100C	11.1 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		Te	Th	Ti	Tl	Tm	U	V
Atomic Properties								
Atomic number		52	90	22	81	69	92	23
Atomic radius - Goldschmidt	nm	0.143	0.180	0.147	0.171	0.174	0.138	0.136
Atomic weight	amu	127.60	232.0381	47.88	204.383	168.9342	238.0289	50.9415
Crystal structure		Hexagonal	Face Centered Cubic	Hexagonal close packed	Hexagonal close packed	Hexagonal close packed	Orthorhombic	Body Centered Cubic
Electronic structure		Kr 4d ¹⁰ 5s ² 5p ⁴	Rn 6d ² 7s ²	Ar 3d ² 4s ²	Xe 4f ¹⁴ 5d ¹⁰ 6s ² 6p ¹	Xe 4f ¹³ 6s ²	Rn 5f ³ 6d ¹ 7s ²	Ar 3d ³ 4s ²
Photo-electric work function	eV	4.8	3.5	4.1	3.8	-	3.6	4.3
Thermal neutron absorption cross-section	Barns	4.7	7.4	6.1	3.4	115	7.6	5.06
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		2, 4, 6	2, 3, 4	2, 3, 4	1, 3	2, 3	2, 3, 4, 5, 6	2, 3, 4, 5
Natural isotope distribution	Mass No./%	120 - 0.1	232 - 100	46 - 8.0	203 - 29.5	169 - 100	234 - 0.005	50 - 0.25
		122 - 2.5	-	47 - 7.5	205 - 70.5	-	235 - 0.720	51 - 99.75
		123 - 0.9	-	48 - 73.7	-	-	238 - 99.275	-
		124 - 4.6	-	49 - 5.5	-	-	-	-
		125 - 7.0	-	50 - 5.3	-	-	-	-
		126 - 18.7	-	-	-	-	-	-
		128 - 31.7	-	-	-	-	-	-
		130 - 34.5	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Ionization potential	No./eV	1 - 9.01	1 - 6.95	1 - 6.82	1 - 6.11	1 - 6.18	1 - 6.19	1 - 6.74
		2 - 18.6	2 - 11.5	2 - 13.6	2 - 20.4	2 - 12.05	-	2 - 14.6
		3 - 28.0	3 - 20.0	3 - 27.5	3 - 29.8	3 - 23.71	-	3 - 29.3
		4 - 37.4	4 - 28.8	4 - 43.3	4 - 50.7	-	-	4 - 46.7
		5 - 58.8	-	5 - 99.2	-	-	-	5 - 65.2
		6 - 70.7	-	6 - 119	-	-	-	6 - 128
Physical Properties								
Boiling point	C	990	4790	3287	1457	1947	3818	3380
Density	g cm ⁻³	6.25 @20C	11.72 @20C	4.5 @20C	11.85 @20C	9.322 @25C	19.05 @20C	6.1 @20C
Melting point	C	450	1750	1660	303.5	1545	1132	1890
Electrical Properties								
Electrical resistivity	μOhmcm	1.6x10 ⁵ @0C	14.0 @20C	54 @20C	16.6 @20C	90 @20C	27 @20C	19.6 @20C
Temperature coefficient	K ⁻¹	-	0.0040 @0-100C	0.0038 @0-100C	0.0052 @0-100C	0.00195 @0-100C	0.0034 @0-100C	0.0039 @0-100C
Superconductivity critical temperature	K	-	1.38	0.40	2.38	-	-	5.40
Thermal emf against Pt (cold 0C - hot 100C)	mV	-	-0.13	-	+0.58	-	-	0.63
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	16.75 @0-100C	11.2 @0-100C	8.9 @0-100C	30.0 @0-100C	11.6 @0-400C	13.4 @0-100C	8.3 @0-100C
Latent heat of evaporation	J g ⁻¹	820	2202	8893	813	1456	1753	8975
Latent heat of fusion	J g ⁻¹	138	82.8	365	21.0	109	52.5	345
Specific heat	J K ⁻¹ kg ⁻¹	201 @25C	113 @25C	523 @25C	128 @25C	160 @25C	116 @25C	486 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	3.3 @0-100C	54 @0-100C	21.9 @0-100C	46.1 @0-100C	16.9 @0-100C	27.5 @0-100C	30.7 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		W	Y	Yb	Zn	Zr
Atomic Properties						
Atomic number		74	39	70	30	40
Atomic radius - Goldschmidt	nm	0.141	0.181	0.193	0.137	0.160
Atomic weight	amu	183.85	88.9059	173.04	65.38	91.22
Crystal structure		Body Centered Cubic	Hexagonal close packed	Hexagonal close packed	Hexagonal close packed	Hexagonal close packed
Electronic structure		Xe 4f ¹⁴ 5d ⁴ 6s ²	Kr 4d ¹ 5s ²	Xe 4f ¹⁴ 6s ²	Ar 3d ¹⁰ 4s ²	Kr 4d ² 5s ²
Photo-electric work function	eV	4.55	3.1	-	4.3	3.8
Thermal neutron absorption cross-section	Barns	18.5	1.3	37	1.10	0.182
Thermal neutron scattering cross-section	Barns	-	-	-	-	-
Valences shown		2, 3, 4, 5, 6	3	2, 3	2	2, 3, 4
Natural isotope distribution	Mass No./%	180 - 0.1	89 - 100	168 - 0.1	64 - 48.6	90 - 51.4
		182 - 26.3	-	170 - 3.1	66 - 27.9	91 - 11.2
		183 - 14.3	-	171 - 14.3	67 - 4.1	92 - 17.1
		184 - 30.7	-	172 - 21.9	68 - 18.8	94 - 17.5
		186 - 28.6	-	173 - 16.2	70 - 0.6	96 - 2.8
		-	-	174 - 31.7	-	-
		-	-	176 - 12.7	-	-
		-	-	-	-	-
		-	-	-	-	-
		-	-	-	-	-
Ionization potential	No./eV	1 - 7.98	1 - 6.38	1 - 6.25	1 - 9.39	1 - 6.84
		2 - 17.7	2 - 12.2	2 - 12.2	2 - 17.96	2 - 13.13
		-	3 - 20.5	3 - 25.2	3 - 39.7	3 - 22.99
		-	4 - 61.8	-	4 - 59.4	4 - 34.34
		-	5 - 77	-	5 - 82.6	5 - 81.5
		-	6 - 93	-	6 - 108	6 - 99
Physical Properties						
Boiling point	C	5660	3338	1194	907	4377
Density	g cm ⁻³	19.3 @20C	4.478 @20C	6.977 @20C	7.14 @20C	6.49 @20C
Melting point	C	3410	1522	819	419.5	1852
Electrical Properties						
Electrical resistivity	μOhmcm	5.4 @20C	53 @20C	28 @20C	5.96 @20C	44 @20C
Temperature coefficient	K ⁻¹	0.0048 @0-100C	0.00271 @0-100C	0.0013 @0-100C	0.0042 @0-100C	0.0044 @0-100C
Superconductivity critical temperature	K	0.0154	-	-	0.85	0.61
Thermal emf against Pt (cold 0C - hot 100C)	mV	+ 1.12	+0.55	-	+0.76	+ 1.17
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-
Thermal Properties						
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	4.5 @0-100C	10.8 @0-400C	25.0 @0-100C	31.0 @0-100C	5.9 @0-100C
Latent heat of evaporation	J g ⁻¹	4009	4135	921	1748	6360
Latent heat of fusion	J g ⁻¹	192	193	53.2	111	211
Specific heat	J K ⁻¹ kg ⁻¹	133 @25C	285 @25C	145 @25C	388 @25C	281 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	173 @0-100C	17.2 @0-100C	34.9 @0-100C	116 @0-100C	22.7 @0-100C

METAL DATA TABLE - MECHANICAL PROPERTIES

		Ag	Ag	Ag	Al	Al	Al	As	Au
Material condition		Soft	Hard	Polycrys- talline	Soft	Hard	Polycrys- talline	Polycrys- talline	Soft
Bulk modulus	GPa	-	-	103.6	-	-	75.2	22.0	-
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	-	-	-	-	-	-
Hardness - Vickers		25	95	-	21	35-48	-	57-69	20-30
Izod toughness	J m ⁻¹	5	-	-	-	-	-	-	-
Poisson's ratio		-	-	0.367	-	-	0.345	-	-
Tensile modulus	GPa	-	-	82.7	-	-	70.6	-	-
Tensile strength	MPa	172	330	-	50-90	130-195	-	-	130
Yield strength	MPa	-	-	-	10-35	110-170	-	-	-

		Au	Au	B	Ba	Be	Be	Be	Bi
Material condition		Hard	Polycrys- talline	Arc melted	Polycrys- talline	Soft	Hard	Polycrys- talline	Polycrys- talline
Bulk modulus	GPa	-	171	-	9.7	-	-	110	31.3
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	9.5	-	-	-	-	-
Hardness - Vickers		60	-	-	-	150	200	-	16-19
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		-	0.42	-	0.28	-	-	0.02	0.33
Tensile modulus	GPa	-	78.5	441	12.8	-	-	318	34.0
Tensile strength	MPa	220	-	1580- 2410	-	310	550	-	-
Yield strength	MPa	205	-	-	-	240	345	-	-

		C	C	Ca	Ca	Ca	Cd	Cd	Ce
Material condition		Graphite	Diamond	Soft	Hard	Polycrys- talline	Cast	Polycrys- talline	Cast
Bulk modulus	GPa	33	542	-	-	17.2	-	51	-
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		0.5-1.0	10	-	-	-	2.0	-	-
Hardness - Vickers		-	-	17	-	-	-	-	25-30
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		-	-	-	-	0.31	-	0.3	-
Tensile modulus	GPa	4.8	-	-	-	19.6	-	62.6	-
Tensile strength	MPa	-	-	55	115	-	71	-	102
Yield strength	MPa	-	-	14	84.5	-	-	-	91

		Ce	Co	Co	Co	Cr	Cr	Cr	Cs
Material condition		Polycrys- talline	Soft	Hard	Polycrys- talline	Soft	Hard	Polycrys- talline	Polycrys- talline
Bulk modulus	GPa	24.4	-	-	181.5	-	-	160.2	-
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	-	-	-	-	-	0.2
Hardness - Vickers		-	170	320	-	130	220	-	-
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		0.248	-	-	0.32	-	-	0.21	-
Tensile modulus	GPa	33.5	-	-	211	-	-	279	-
Tensile strength	MPa	-	760	1135	-	103	689	-	-
Yield strength	MPa	-	345-485	-	-	-	-	-	-

METAL DATA TABLE - MECHANICAL PROPERTIES

		Cu	Cu	Cu	Dy	Er	Eu	Fe	Ga
Material condition		Soft	Hard	Polycrystalline	Polycrystalline	Polycrystalline	Polycrystalline	Polycrystalline	Polycrystalline
Bulk modulus	GPa	-	-	137.8	39.2	41.8	12.1	169.8	-
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	-	-	-	-	4.0-5.0	1.5-2.5
Hardness - Vickers		49	87	-	55	70	20	-	-
Izod toughness	J m ⁻¹	58	68	-	-	-	-	8-16	-
Poisson's ratio		-	-	0.343	0.232	0.207	0.286	0.293	0.47
Tensile modulus	GPa	-	-	129.8	63.1	73.3	14.7	211.4	9.81
Tensile strength	MPa	224	314	-	248	292	-	180-210	-
Yield strength	MPa	54	270	-	228	292	-	120-150	-

		Gd	Ge	Ge	Ge	Hf	Hf	Hf	Hg
Material condition		Polycrystalline	Polycrystalline	-	-	Soft	Hard	Polycrystalline	Liquid
Bulk modulus	GPa	39.1	73.9	-	-	-	-	109	25
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	6.25	-	-	-	-	-	-
Hardness - Vickers		55	-	-	-	150-180	-	-	-
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		0.26	0.32	-	0.32	-	-	0.26	-
Tensile modulus	GPa	56.2	79.9	-	79.9	-	-	141	-
Tensile strength	MPa	193	-	-	-	445	745	-	-
Yield strength	MPa	179	-	-	-	240	365	-	-

		Ho	In	In	Ir	Ir	Ir	K	La
Material condition		Polycrystalline	Soft	Polycrystalline	Soft	Hard	Polycrystalline	Polycrystalline @ -190C	Polycrystalline
Bulk modulus	GPa	40.5	-	35.3	-	-	371	3.1	24.8
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	-	-	-	-	0.5	-
Hardness - Vickers		60	< 10	-	200-300	650	-	-	40
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		0.225	-	0.45	-	-	0.26	0.35	0.28
Tensile modulus	GPa	66.9	-	10.6	-	-	528	3.53	37.9
Tensile strength	MPa	262	2.6-4.5	-	550-1100	1200	-	-	131
Yield strength	MPa	221	-	-	-	-	-	-	124

		Li	Lu	Mg	Mg	Mg	Mn	Mo	Mo
Material condition		Polycrystalline	Polycrystalline	Soft	Hard	Polycrystalline	Polycrystalline	Soft	Hard
Bulk modulus	GPa	11.1	42	-	-	35.6	118	-	-
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	-	-	-	5.0	-	-
Hardness - Vickers		< 5	85	30-35	35-45	-	-	200	250
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		0.36	0.223	-	-	0.291	0.24	-	-
Tensile modulus	GPa	4.91	84	-	-	44.7	191	-	-
Tensile strength	MPa	-	-	185	232	-	-	485-550	620-690
Yield strength	MPa	-	-	69	100	-	-	415-450	550

METAL DATA TABLE - MECHANICAL PROPERTIES

		Mo	Nb	Nb	Nb	Nd	Ni	Ni	Ni
Material condition		Polycrys- talline	Soft	Hard	Polycrys- talline	Polycrys- talline	Soft	Hard	Polycrys- talline
Bulk modulus	GPa	261.2	-	-	170.3	33.3	-	-	177.3
Hardness - Brinell		-	-	-	-	-	100	190	-
Hardness - Mohs		-	-	-	-	-	-	-	-
Hardness - Vickers		-	115	160	-	35	-	-	-
Izod toughness	J m ⁻¹	-	10-120	-	-	-	160	160	-
Poisson's ratio		0.293	-	-	0.397	0.310	-	-	0.312
Tensile modulus	GPa	324.8	-	-	104.9	37.9	-	-	199.5
Tensile strength	MPa	-	330	585	-	172	400	660	-
Yield strength	MPa	-	240	550	-	165	150	480	-

		Os	Os	Os	Pb	Pb	Pd	Pd	Pd
Material condition		Soft	Hard	Polycrys- talline	Sand cast	Polycrys- talline	Soft	Hard	Polycrys- talline
Bulk modulus	GPa	-	-	373	-	45.8	-	-	187
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	-	1.5	-	-	-	-
Hardness - Vickers		300-350	670- 1000	-	-	-	40	100	-
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		-	-	0.25	-	0.44	-	-	0.39
Tensile modulus	GPa	-	-	559	-	16.1	-	-	121
Tensile strength	MPa	-	-	-	12	-	140-195	325	-
Yield strength	MPa	-	-	-	5.5	-	34.5	205	-

		Pr	Pt	Pt	Pt	Rb	Re	Re	Re
Material condition		Polycrys- talline	Soft	Hard	Polycrys- talline	Polycrys- talline	Soft	Hard	Polycrys- talline
Bulk modulus	GPa	31.2	-	-	276	2.5	-	-	334
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	-	-	0.3	-	-	-
Hardness - Vickers		40	40	100	-	-	280	700	-
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		0.312	-	-	0.39	0.30	-	-	0.26
Tensile modulus	GPa	35.2	-	-	170	2.35	-	-	466
Tensile strength	MPa	110	125-150	200-300	-	-	1125	2225	-
Yield strength	MPa	103	14-35	185	-	-	315	2150	-

		Rh	Rh	Rh	Ru	Ru	Ru	Sb	Sc
Material condition		Soft	Hard	Polycrys- talline	Soft	Hard	Polycrys- talline	Polycrys- talline	Soft
Bulk modulus	GPa	-	-	276	-	-	286	42	-
Hardness - Brinell		-	-	-	-	-	-	-	78
Hardness - Mohs		-	-	-	-	-	-	3.0-3.3	-
Hardness - Vickers		120	300	-	350	750	-	-	-
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		-	-	0.26	-	-	0.25	0.25- 0.33	-
Tensile modulus	GPa	-	-	379	-	-	432	54.7	-
Tensile strength	MPa	690-760	1380- 2070	-	495	-	-	-	-
Yield strength	MPa	69-275	-	-	372	-	-	-	-

METAL DATA TABLE - MECHANICAL PROPERTIES

		Sc	Sc	Se	Si	Sm	Sn	Ta	Ta
Material condition		Hard	Polycrystalline	Polycrystalline	Polycrystalline	Polycrystalline	Polycrystalline	Soft	Hard
Bulk modulus	GPa	-	44.2	8.3	100	29.9	58.2	-	-
Hardness - Brinell		136	-	-	-	-	-	-	-
Hardness - Mohs		-	-	2.0	7.0	-	1.5-1.8	-	-
Hardness - Vickers		-	-	-	-	-	-	90	200
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		-	0.27	0.447	0.42	0.310	0.357	-	-
Tensile modulus	GPa	-	79.3	58	113	34.1	49.9	-	-
Tensile strength	MPa	-	-	-	-	124	-	310-485	760
Yield strength	MPa	-	-	-	-	110	-	310-380	705

		Ta	Tb	Te	Th	Th	Th	Ti	Ti
Material condition		Polycrystalline	Polycrystalline	Polycrystalline	Soft	Hard	Polycrystalline	Annealed	Polycrystalline
Bulk modulus	GPa	196.3	40.8	31.4	-	-	54	-	108.4
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	2.3	-	-	-	-	-
Hardness - Vickers		-	60	-	38	70	-	60	-
Izod toughness	J m ⁻¹	-	-	-	41	-	6	61	-
Poisson's ratio		0.342	0.265	0.16-0.3	-	-	0.26	-	0.361
Tensile modulus	GPa	185.7	57.5	47.1	-	-	78.3	-	120.2
Tensile strength	MPa	-	-	-	115	305	-	230-460	-
Yield strength	MPa	-	-	-	48	295	-	140-250	-

		Tl	Tm	U	U	U	V	V	V
Material condition		Polycrystalline	Polycrystalline	Soft	Hard	Polycrystalline	Soft	Hard	Polycrystalline
Bulk modulus	GPa	28.5	40.5	-	-	97.9	-	-	158
Hardness - Brinell		2.0	53	-	-	-	-	-	-
Hardness - Mohs		-	-	-	-	-	-	-	-
Hardness - Vickers		-	-	187	250	-	80	150	-
Izod toughness	J m ⁻¹	-	-	19	15	-	10-136	-	-
Poisson's ratio		0.45	0.235	-	-	0.20	-	-	0.365
Tensile modulus	GPa	7.9	76	-	-	175.8	-	-	127.6
Tensile strength	MPa	8.96	-	385	580	-	260-585	530-730	-
Yield strength	MPa	-	-	190	250	-	170-450	515-690	-

		W	W	W	Y	Y	Y	Yb	Zn
Material condition		Soft	Hard	Polycrystalline	Soft	Hard	Polycrystalline	Polycrystalline	Polycrystalline
Bulk modulus	GPa	-	-	311	-	-	37.3	13.5	69.4
Hardness - Brinell		-	-	-	30-60	100-140	-	25	-
Hardness - Mohs		-	-	-	-	-	-	-	2.5
Hardness - Vickers		360	500	-	-	-	-	-	-
Izod toughness	J m ⁻¹	-	-	-	24	-	-	-	-
Poisson's ratio		-	-	0.28	-	-	0.265	0.280	0.249
Tensile modulus	GPa	-	-	411	-	-	66.3	17.8	104.5
Tensile strength	MPa	550-620	1920	-	130	455	-	68.9	-
Yield strength	MPa	550	-	-	57	375	-	65.5	-

METAL DATA TABLE - MECHANICAL PROPERTIES

		Zr	Zr
Material condition		Soft	Polycrystalline
Bulk modulus	GPa	-	89.8
Hardness - Brinell		-	-
Hardness - Mohs		-	-
Hardness - Vickers		85-100	-
Izod toughness	J m ⁻¹	-	-
Poisson's ratio		-	0.38
Tensile modulus	GPa	-	98
Tensile strength	MPa	350-390	-
Yield strength	MPa	250-310	-

POLYMER DATA TABLE

		Acrylonitrile/ Methylacry- late copolymer	Cellulose	Cellulose Acetate	Cellulose Acetate Butyrate CAB	Cyclo-olefin copolymer	Ethylene- Chloro- trifluoro- ethylene copolymer E-CTFE	Ethylene- Tetrafluoro- ethylene Copolymer	FEP TEFLON
Physical Properties									
Abbe number		-	-	-	80-84	58	-	-	-
Density	g cm ⁻³	1.15	1.44	1.3	1.20	1.02	1.68	1.7	2.15
Flammability		-	-	HB	HB	HB	V0	V0	V0
Limiting oxygen index	%	-	approx. 18	19	17	-	60	30-32	95
Optical transmission	%	-	-	-	-	92-94	-	-	-
Radiation resistance		-	Fair	Fair	Fair	Good	Fair	Fair	Poor
Refractive index		-	-	1.49	1.478	1.53	-	1.403	1.344
Resistance to Ultra-violet		-	-	Fair	Good	Fair-Poor	-	Excellent	Excellent
Water absorption	%	-	-	-	-	<0.01	-	0-0.03	0.01
Water absorption - equilibrium	%	-	50	-	-	-	-	-	-
Water absorption - over 24 hours	%	-	-	1.9-7.0	0.9-2.2	-	<0.02	-	-
Electrical Properties									
Dielectric constant @1kHz		-	-	-	-	-	-	-	-
Dielectric constant @1MHz		-	4 (dry)	approx. 5	2.5-6.2	-	2.3-2.5	2.6	2.1
Dielectric strength	kV mm ⁻¹	-	30-50 @ 1mm	11	10	-	40	25	20 @ 3.2mm
Dissipation factor @ 1kHz		-	0.06	0.06	0.04	-	0.002	-	-
Dissipation factor @ 1MHz		-	-	-	-	-	-	0.0005	0.0007
Surface resistivity	Ohm/sq	-	-	-	-	10 ¹⁴	10 ¹⁴ -10 ¹⁵	> 10 ¹⁴	10 ¹⁶
Volume resistivity	Ohmcm	-	10 ¹⁰ - 10 ¹²	5 x 10 ¹²	10 ¹¹ -10 ¹⁵	10 ¹²	10 ¹⁵ -10 ¹⁶	10 ¹⁶	10 ¹⁸
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	-	-	80-180	140	60	80	90-170	83 - 104
Heat-deflection temperature - 0.45MPa	C	77	-	52-105	73	130	115	105	50
Heat-deflection temperature - 1.8MPa	C	69	-	48-86	62	-	75	70	70
Lower working temperature	C	-	-	-20	<-40	-	-75	<-100	-250
Specific heat	J K ⁻¹ kg ⁻¹	-	approx. 1400	1200-1900	-	-	-	1900-2000	1100
Thermal conductivity	W m ⁻¹ K ⁻¹	0.17	-	0.16-0.36 @23C	0.16-0.32 @23C	0.16	0.16 @23C	0.24 @23C	0.19 - 0.24 @23C
Upper working temperature	C	-	-	55-95	60-100	-	130-170	150-160	150 - 200
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	65	-	-	5	-	-
Coefficient of friction		-	-	-	-	-	0.07-0.08	-	0.27-0.67
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	-	-	-	-	-	-
Compressive strength	MPa	-	-	-	-	-	-	-	-
Elongation at break	%	-	18/55	-	60	3	200	250-350	150-300
Hardness - Rockwell		-	-	34-125	99	-	R95	R50	R25-45, 60 Shore D
Izod impact strength	J m ⁻¹	approx. 100	-	100-450	260	-	< 1000	> 1000	No break
Poisson's ratio		-	-	-	-	-	-	-	0.48
Tear strength	N mm ⁻¹	-	-	-	-	-	-	-	-
Tensile modulus	GPa	approx. 3	5/3	1.0-4.0	0.3-2.0	3.1	1.4-1.6	0.8	0.5 - 0.6
Tensile strength	MPa	66	120/55	12-110	20-60	66	48	28-48	14 - 30
Chemical Resistance									
Acids - concentrated		Good	-	Poor	-	-	Good	Good	Good
Acids - dilute		Good	Good	Good-Poor	Fair-Poor	Good	Good	Good	Good
Alcohols		Good	-	Fair-Poor	Poor	Good	Good	Good	Good
Alkalies		Good	Good	Poor	Fair-Poor	Good	Good	Good	Good
Aromatic hydrocarbons		Good	-	Good-Poor	Poor	-	Good	Good	Good
Greases and Oils		Good	Good	Good	Good-Poor	Fair-Poor	Good	Good	Good
Halogenated Hydrocarbons		-	-	Good-Poor	Poor	-	Good-Fair	Good	Good
Halogens		-	-	Poor	Poor	-	Good	Good	Good
Ketones		Fair	-	Poor	Poor	-	Good	Good	Good

POLYMER DATA TABLE

		Hexafluoro-propylene-vinylidene-fluoride copolymer Viton™ FKM	Poly L lactic acid - Biopolymer	Poly-acrylamide/ acrylate Hydrogel	Polyacrylonitrile	Polyacrylonitrile-butadiene-styrene ABS	Polyamide Nylon 4,6 PA 4,6	Polyamide Nylon 6 PA 6	Polyamide Nylon 6,6 PA 6,6
Physical Properties									
Abbe number		-	-	-	-	-	-	-	-
Density	g cm ⁻³	2.0	1.25	approx. 1.5	1.18	1.05	1.18	1.13	1.14
Flammability		Self Extinguishing	-	-	-	HB @ 1.5mm	V2 @ 0.8mm	HB	HB
Limiting oxygen index	%	-	-	-	-	19	24	25	23
Optical transmission	%	-	-	-	-	-	-	-	-
Radiation resistance		Poor	-	-	-	Fair	Fair	Fair	Fair
Refractive index		-	-	-	-	-	-	1.53	1.53
Resistance to Ultra-violet		Excellent	Good	-	-	Poor	-	Poor	Poor
Water absorption	%	-	-	-	-	-	-	-	-
Water absorption - equilibrium	%	-	0.3	-	-	-	3.7	>8	8
Water absorption - over 24 hours	%	-	-	-	-	0.3-0.7	1.3	2.7	2.3
Electrical Properties									
Dielectric constant @1kHz		-	-	-	-	-	-	-	-
Dielectric constant @1MHz		-	-	-	-	3.2 - 3.3	3.8-4.3	3.6	3.4
Dielectric strength	kV mm ⁻¹	-	-	-	-	20-25	20	25	25
Dissipation factor @ 1kHz		-	-	-	-	-	0.35	0.2	0.2
Dissipation factor @ 1MHz		-	-	-	-	0.02	-	-	-
Surface resistivity	Ohm/sq	-	-	-	-	-	10 ¹² -10 ¹⁴	5x10 ¹⁰	10 ¹¹
Volume resistivity	Ohmcm	-	-	-	-	> 10 ¹⁵	10 ¹³ -10 ¹⁵	5x10 ¹²	10 ¹³
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	160	-	-	-	80	80-90	95	90
Heat-deflection temperature - 0.45MPa	C	-	-	-	-	98	220	200	200
Heat-deflection temperature - 1.8MPa	C	-	-	-	-	89	160	80	100
Lower working temperature	C	-10 to -50	-	-	-	-	-40	-40	-30
Specific heat	J K ⁻¹ kg ⁻¹	-	-	-	-	-	-	1700	1670
Thermal conductivity	W m ⁻¹ K ⁻¹	0.2 @23C	-	-	-	0.17 @23C	0.30 @23C	0.24-0.28 @23C	0.25 @23C
Upper working temperature	C	220 to 300	-	-	-	70-100	100-200	80-160	80-180
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	-	-	-	-	5	3-5
Coefficient of friction		-	-	-	-	0.5	-	0.2-0.3	0.2-0.3
Compression set after 24 hr at 175C	%	43	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	-	-	-	-	-	-
Compressive strength	MPa	-	-	-	-	-	-	-	-
Elongation at break	%	200	2.4	-	-	45	-	-	-
Hardness - Rockwell		Shore A75	-	-	-	R100-110	M92	M82	M89
Izod impact strength	J m ⁻¹	-	-	-	-	200-400	80	30-250	40-110
Poisson's ratio		-	-	-	-	0.35	-	0.39	0.41
Tear strength	N mm ⁻¹	10	-	-	-	-	-	-	-
Tensile modulus	GPa	-	3.6	-	-	2.1-2.4	3.1-3.3	2.6-3.0	3.3
Tensile strength	MPa	9	70	-	-	41-45	55-100	78	82
Chemical Resistance									
Acids - concentrated		Good-Fair	-	-	-	Good-Poor	-	Poor	Poor
Acids - dilute		Good	-	Good-Fair	-	Good	-	Poor	Poor
Alcohols		Good-Fair	-	Good	-	Good-Poor	-	Good	Good
Alkalies		Good-Fair	-	Fair	-	Good	-	Good-Fair	Good-Fair
Aromatic hydrocarbons		Good-Fair	-	Good	-	Poor	-	Good	Good
Greases and Oils		Good-Fair	-	-	-	Good	-	Good	Good
Halogenated Hydrocarbons		Good-Fair	-	Good	-	Poor	-	Good-Poor	Good-Poor
Halogens		Good	-	-	-	Poor	-	Poor	Poor
Ketones		Poor	-	Good	-	Poor	-	Good	Good

POLYMER DATA TABLE

		Polyamide - Nylon 6, 6 - 30% Carbon Fiber Reinforced	Polyamide Nylon 6,6 PA 6,6 30% GFR	Polyamide Nylon 11 PA 11	Polyamide Nylon 12 PA 12	Polyamide - Nylon 12 - 30% Glass Fiber Reinforced	Polyamide/ imide PAI	Polyaramid Kevlar®	Polyaramid Nomex®
Physical Properties									
Abbe number		-	-	-	-	-	-	-	-
Density	g cm ⁻³	1.28	1.4	1.04	1.02	1.23	1.42-1.46	1.44	1.38
Flammability		HB	HB	V2	HB-V2	HB	V0	-	-
Limiting oxygen index	%	22	22	22	21	-	44-45	-	29
Optical transmission	%	-	-	-	-	-	-	-	-
Radiation resistance		-	-	Fair	Fair	-	Good	-	Good
Refractive index		-	-	-	-	-	-	-	-
Resistance to Ultra-violet		-	-	Fair?	Fair?	Good	Good	Fair	-
Water absorption	%	-	-	-	-	-	-	-	-
Water absorption - equilibrium	%	-	-	2.5	1.6	0.6	3-4	-	9
Water absorption - over 24 hours	%	< 0.1	1-5	0.8	-	-	0.3	-	-
Electrical Properties									
Dielectric constant @1kHz		-	-	-	-	-	-	-	-
Dielectric constant @1MHz		-	3.9-5.7	3.0	3.5 @ 100kHz	4	3.9-5.4	-	-
Dielectric strength	kV mm ⁻¹	-	-	20	26-30 @ 1mm	35	23 at 1mm	-	-
Dissipation factor @ 1kHz		-	-	0.05	0.06	-	-	-	-
Dissipation factor @ 1MHz		-	-	-	-	0.04	0.03-0.042	-	-
Surface resistivity	Ohm/sq	10 ³	-	10 ¹⁴	10 ¹³	-	8-50 x 10 ¹⁷	-	-
Volume resistivity	Ohmcm	10 ²	10 ¹² -10 ¹⁵	10 ¹⁴	10 ¹² -10 ¹⁴	-	0.08-2 x 10 ¹⁷	-	-
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	14	20-30	125	100-120	20	25-31	-2 along axis	20
Heat-deflection temperature - 0.45MPa	C	-	257	150	130-135	-	-	-	-
Heat-deflection temperature - 1.8MPa	C	260	252	55	48-55	160	278-9	-	-
Lower working temperature	C	-	-	-50	-	-78	= < -200	-200	-
Specific heat	J K ⁻¹ kg ⁻¹	-	-	-	-	-	1000	1400	1200
Thermal conductivity	W m ⁻¹ K ⁻¹	0.51	0.23 @23C	0.3 @23C	-	0.16	0.26-0.54 @23C	0.04 @23C	0.13 @23C
Upper working temperature	C	120-200	80-200	70-130	-	105-150	200-260	180-245	200 - 300
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	-	-	-	-	-	-
Coefficient of friction		-	-	0.2-0.3	-	-	-	-	-
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	-	-	-	-	-	-
Compressive strength	MPa	-	-	-	-	110	170-220	-	-
Elongation at break	%	2	5	320	290-300	8	7-15	-	-
Hardness - Rockwell		-	M100	M60	R84-107	R110	E72-86	-	-
Izod impact strength	J m ⁻¹	-	120	96	-	234	60-140 - notched	-	-
Poisson's ratio		-	-	-	-	-	0.38	-	-
Tear strength	N mm ⁻¹	-	-	-	-	-	-	-	-
Tensile modulus	GPa	24	10-11	1.5	-	6	4.5-6.8	59-124	-
Tensile strength	MPa	260	160-210	44	50-55	105	110-190	2760	-
Chemical Resistance									
Acids - concentrated		Poor	Poor	Poor	Poor	Poor	Fair-Poor	Poor	Poor
Acids - dilute		Poor	Poor	Fair-Poor	Fair-Poor	Fair-Poor	Fair	Fair	Good-Fair
Alcohols		Good	Good	Fair	Fair	Fair	Good-Poor	Good	Good
Alkalis		Good-Fair	Good-Fair	Good-Fair	Good-Fair	Poor	Poor	Good-Poor	Good-Poor
Aromatic hydrocarbons		Good	Good	Good	Good	-	Good	Good	Good
Greases and Oils		Good	Good	Good	Good	-	Good	Good	Good
Halogenated Hydrocarbons		Good-Poor	Good-Poor	Good-Poor	Good-Poor	-	Good-Poor	Good	Good
Halogens		Poor	Poor	Poor	Poor	-	Good-Poor	Good	-
Ketones		Good-Poor	Good-Poor	Good-Fair	Good-Fair	-	Good	Good	Good

POLYMER DATA TABLE

		Polybenzimidazole PBI	Polybutylene terephthalate PBT	Polybutylene terephthalate 30% Glass Fiber Reinforced PBT 30% GFR	Poly-carbonate PC	Polycarbonate - 30% Carbon Fiber Reinforced	Polycarbonate - 30% Glass Fiber Filled	Poly-carbonate Conductive	Polychlorotrifluoroethylene
Physical Properties									
Abbe number		-	-	-	34.0	-	-	-	-
Density	g cm ⁻³	1.3	1.31	1.63	1.2	1.33	1.43	1.28 - 1.35	2.10 - 2.14
Flammability		Does not burn	HB	HB	V0-V2	V0	V-1	-	V-0
Limiting oxygen index	%	58	25	23	25-27	25-27	-	-	-
Optical transmission	%	-	-	-	-	-	-	-	-
Radiation resistance		Good	Good	-	Fair	-	-	-	-
Refractive index		-	-	-	1.584-6	-	-	-	1.435
Resistance to Ultra-violet		-	Fair?	-	Fair	-	-	-	-
Water absorption	%	-	-	-	-	-	0.28	-	<0.01
Water absorption - equilibrium	%	-	-	-	0.35	-	0.11	approx. 0.9	-
Water absorption - over 24 hours	%	0.4	0.1	0.15-0.35	0.1	<0.2	-	-	-
Electrical Properties									
Dielectric constant @1kHz		-	3.2	-	-	-	-	-	-
Dielectric constant @1MHz		3.2	-	4	2.9	-	3.3	-	2.24-2.8
Dielectric strength	kV mm ⁻¹	21	20	20	15-67	-	30	-	14
Dissipation factor @ 1kHz		-	0.002	0.002	-	-	-	-	0.023-0.027
Dissipation factor @ 1MHz		-	-	-	0.01	-	0.009	-	0.01
Surface resistivity	Ohm/sq	-	-	-	10 ¹⁵	10 ²	10 ¹⁴	100-500	10 ¹⁵
Volume resistivity	Ohmcm	8x10 ¹⁴	10 ¹⁵	2x10 ¹⁴	10 ¹⁴ -10 ¹⁶	10 ³	10 ¹⁶	1-100	10 ¹⁶
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	23	-	20-70	66-70	14	30	-	70
Heat-deflection temperature - 0.45MPa	C	435	150	220	140	-	147	-	126
Heat-deflection temperature - 1.8MPa	C	-	60	200	128-138	-	142	-	-
Lower working temperature	C	-	-	-	-135	-	-	-	-240
Specific heat	J K ⁻¹ kg ⁻¹	-	1200-2300	-	approx. 1200	-	1080	-	900
Thermal conductivity	W m ⁻¹ K ⁻¹	0.41 @23C	-	0.24 @23C	0.19-0.22 @23C	0.7	0.26	-	0.13
Upper working temperature	C	260-400	120-?	120-200	115-130	130	140	-	120-149
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	-	10-15	-	-	-	-
Coefficient of friction		0.19-0.27	-	-	0.31	-	-	-	-
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	6.2	-	-	-	-	-	-	-
Compressive strength	MPa	400	-	-	>80	-	-	-	9-12
Elongation at break	%	3	250	2	100-150	2	3	5-9	80-250
Hardness - Rockwell		K115	M70	M93	M70	-	-	-	R75-112
Izod impact strength	J m ⁻¹	590 unnotched	60	70	600-850	-	-	-	267
Poisson's ratio		0.34	-	-	0.37	-	-	-	-
Tear strength	N mm ⁻¹	-	-	-	-	-	-	-	-
Tensile modulus	GPa	5.9	2	12	2.3-2.4	18	5.8	approx. 3.8	1.3-1.8
Tensile strength	MPa	160	50	185	55-75	170	70	60-70	31-41
Chemical Resistance									
Acids - concentrated		Poor	Good-Poor	Good-Poor	Good	Fair	Fair	-	Good
Acids - dilute		Fair-Poor	Good	Good	Good	Good	Good	-	Good
Alcohols		Good	Good	Good	Good	Good	Good	-	Good
Alkalies		Good-Poor	Fair	Fair	Good-Poor	Poor	Poor	-	Good
Aromatic hydrocarbons		Good	Good	Good	Poor	Poor	Poor	-	Good
Greases and Oils		Good	Good	Good	Good-Fair	Good	Good	-	Good
Halogenated Hydrocarbons		Good	Good-Poor	Good-Poor	Good-Poor	-	-	-	-
Halogens		-	Poor	Poor	Poor	Poor	Poor	-	Good
Ketones		Good	Good-Poor	Good-Poor	Poor	Poor	Poor	-	Good

POLYMER DATA TABLE

		Poly-ether-ether-ketone PEEK	Poly-ether-imide PEI	Polyetherketoneketone	Poly-ether-sulfone PES	Poly-ethylene Carbon filled	Poly-ethylene High density HDPE	Poly-ethylene Low Density LDPE	Polyethylene - Medium Density
Physical Properties									
Abbe number		-	-	-	-	-	-	-	-
Density	g cm ⁻³	1.26 - 1.32	1.27	1.31	1.37	0.96	0.95	0.92	0.935
Flammability		V-0 @ 1.5mm	V-0 @ 0.4mm	V-0	V-0 @ 0.4mm	-	HB	HB	HB
Limiting oxygen index	%	35	47	-	34-41	-	17	17	17
Optical transmission	%	-	-	-	-	-	-	-	-
Radiation resistance		Good	Good	Good	Good-Fair	-	Fair	Fair	Fair
Refractive index		-	-	-	1.65	-	1.54	1.51	-
Resistance to Ultra-violet		Fair	Good/Fair	-	Fair	Good	Poor	Poor	Poor
Water absorption	%	-	-	-	-	-	-	-	-
Water absorption - equilibrium	%	0.5	1.3	-	2.2	-	-	-	< 0.01
Water absorption - over 24 hours	%	0.1-0.3	0.25	< 0.20	0.4-1	-	< 0.01	< 0.015	-
Electrical Properties									
Dielectric constant @1kHz		3.2-3.3 @ 50Hz-10KHz	3.1	3.3	-	-	-	-	-
Dielectric constant @1MHz		-	-	-	3.7	-	2.3-2.4	2.2-2.35	2.3-2.4
Dielectric strength	kV mm ⁻¹	190 @ 50cm	30 @ 1.6mm	23.6	16	-	22	27	22
Dissipation factor @ 1kHz		-	-	0.004	-	-	-	-	-
Dissipation factor @ 1MHz		0.003	0.0013 @ 1KHz	-	0.003	-	1-10 x 10 ⁻⁴	1-10 x 10 ⁻⁴	1-10 x 10 ⁻⁴
Surface resistivity	Ohm/sq	-	4.10 ¹³	2x10 ¹⁶	-	10 ³ -10 ⁴	10 ¹³	10 ¹³	10 ¹³
Volume resistivity	Ohmcm	10 ¹⁵ -10 ¹⁶	7.10 ¹⁵	10 ¹⁶	10 ¹⁷	< 10 ⁵	10 ¹⁵ -10 ¹⁸	10 ¹⁵ -10 ¹⁸	10 ¹⁵ -10 ¹⁸
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	47/108	56	38	55	-	100-200	100-200	100-200
Heat-deflection temperature - 0.45MPa	C	> 260	200	-	> 260	-	75	50	62
Heat-deflection temperature - 1.8MPa	C	160	190	175	203	-	46	35	43
Lower working temperature	C	-	-	-	-110	-	-	-60	-118
Specific heat	J K ⁻¹ kg ⁻¹	1340	2000	-	-	-	1900	1900-2300	1900
Thermal conductivity	W m ⁻¹ K ⁻¹	0.25 @23C	0.22 @23C	0.25	0.13-0.18 @23C	-	0.45-0.52 @23C	0.33 @23C	0.45-0.52
Upper working temperature	C	250	170-200	260	180-220	-	55-120	50-90	-
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	10	-	6	-	-	-	-
Coefficient of friction		0.18	-	0.26	-	-	0.29	-	-
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	-	2.9	-	-	-	-	-	-
Compressive strength	MPa	-	140	206	-	-	-	-	-
Elongation at break	%	50	60	12	40-80	-	-	400	100-150
Hardness - Rockwell		M99	R125	M88	M88	-	D60-73 - Shore	D41-46 - Shore	D50 - Shore
Izod impact strength	J m ⁻¹	85	50	69	85	-	20-210	> 1000	-
Poisson's ratio		0.4	0.44	-	0.4	-	0.46	-	0.46
Tear strength	N mm ⁻¹	-	-	-	-	-	-	-	-
Tensile modulus	GPa	3.7-4.0	2.9	4.5	2.4-2.6	-	0.5-1.2	0.1-0.3	-
Tensile strength	MPa	70-100	85	110	70-95	20	15-40	5-25	12-19
Chemical Resistance									
Acids - concentrated		Good-Poor	Good(-Fair?)	-	Good-Poor	Fair	Good-Fair	Good-Fair	Good-Fair
Acids - dilute		Good	Good	-	Good	Good	Good	Good	Good
Alcohols		Good	Good	-	Good	Good	Good	Good	Good
Alkalis		Good	Good-Poor	-	Good	-	Good	Good	Good
Aromatic hydrocarbons		Good	Poor	-	Good	-	Fair	Fair-Poor	Fair
Greases and Oils		Good	Good	-	Good-Fair	-	Good-Fair	Good-Fair	Good-Fair
Halogenated Hydrocarbons		Good	Good-Poor	-	Good	-	Fair-Poor	Fair-Poor	Fair-Poor
Halogens		Good-Poor	-	-	Fair-Poor	-	Fair-Poor	Fair-Poor	Fair-Poor
Ketones		Good-Poor	Poor	-	Good	Fair	Good-Fair	Good-Fair	Good-Fair

POLYMER DATA TABLE

		Poly-ethylene U.H.M.W.	Poly-ethylene naphthalate PEN	Poly ethylene tere-phthalate Polyester, PET, PETP	Polyhydrox-yalkaonate - Biopolymer	Poly-hydroxy-butyrate Biopolymer PHB	Polyhydroxy-butyrate/ Polyhydroxy-valerate 8% - Biopolymer	Polyhydroxy-butyrate/ Polyhydroxy-valerate 12% - Biopolymer	Polyimide PI
Physical Properties									
Abbe number		-	-	-	-	-	-	-	-
Density	g cm ⁻³	0.94	1.36	1.3-1.4	1.23	1.25	1.25	1.25	1.42
Flammability		HB	VTM-2 - UL94, 0.075mm	HB	-	-	-	-	V0
Limiting oxygen index	%	17	-	21	-	-	-	-	53
Optical transmission	%	-	84 @ 0.075mm	-	-	-	-	-	-
Radiation resistance		Fair	-	Good	-	-	-	-	Good
Refractive index		-	-	1.58-1.64	-	-	-	-	1.66
Resistance to Ultra-violet		Poor	-	Fair?	-	Fair	Fair	Fair	Poor
Water absorption	%	-	-	-	<0.4	-	-	-	-
Water absorption - equilibrium	%	-	-	<0.7	-	-	-	-	-
Water absorption - over 24 hours	%	<0.01	-	0.1	-	-	-	-	0.2-2.9
Electrical Properties									
Dielectric constant @1kHz		-	-	-	-	-	-	-	-
Dielectric constant @1MHz		2.3	3.2 @ 10KHz	3.0	-	3.0	3.0	3.0	3.4
Dielectric strength	kV mm ⁻¹	28	160 @ 0.075mm	17	-	-	-	-	22
Dissipation factor @ 1kHz		-	-	0.002	-	-	-	-	0.0018
Dissipation factor @ 1MHz		1-10 x 10 ⁻⁴	0.0048 @ 10KHz	-	-	-	-	-	-
Surface resistivity	Ohm/sq	10 ¹³	10 ¹⁴	10 ¹³	-	-	-	-	10 ¹⁶
Volume resistivity	Ohmcm	10 ¹⁸	10 ¹⁵	> 10 ¹⁴	-	10 ¹⁶	10 ¹⁶	10 ¹⁶	10 ¹⁸
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	130-200	20-21 - biax film	20-80	-	-	-	-	30-60
Heat-deflection temperature - 0.45MPa	C	69	-	115	-	-	-	-	-
Heat-deflection temperature - 1.8MPa	C	42	-	80	-	-	-	-	360
Lower working temperature	C	-	-	-40 to -60	-	-	-	-	-270
Specific heat	J K ⁻¹ kg ⁻¹	1900	-	1200 - 1350	-	-	1400	1400	1090
Thermal conductivity	W m ⁻¹ K ⁻¹	0.42-0.51 @23C	-	0.15-0.4 @23C	-	-	0.15 @23C	0.15 @23C	0.10-0.35 @23C
Upper working temperature	C	55-95	155	115-170	-	95	-	-	250-320
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	-	-	-	-	-	-
Coefficient of friction		0.1-0.2	0.27 - biax film	0.2-0.4	-	-	-	-	0.42
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	-	-	-	-	-	-
Compressive strength	MPa	-	-	-	-	-	-	-	-
Elongation at break	%	500	60 - biax film	-	35	-	15	35	8-70
Hardness - Rockwell		R50-70	-	M94-101	-	-	-	-	E52-99
Izod impact strength	J m ⁻¹	> 1000	-	13-35	-	35-60	100	200	80
Poisson's ratio		0.46	-	0.37-0.44(oriented)	-	-	-	-	-
Tear strength	N mm ⁻¹	-	-	-	-	-	-	-	-
Tensile modulus	GPa	0.2-1.2	5-5.5 - biax film	2-4	-	3.5	0.9	0.5	2.0-3.0
Tensile strength	MPa	20-40	200 - biax film	80, for biax film 190-260	30	40	28	23	70-150
Chemical Resistance									
Acids - concentrated		Good-Fair	Good-Poor	Good-Poor	-	-	-	-	Poor
Acids - dilute		Good	Good	Good	-	Fair	Fair	Fair	Fair
Alcohols		Good	Good	Good	-	Fair	Fair	Fair	Poor
Alkalis		Good	Good	Poor	-	Poor	Poor	Poor	Poor
Aromatic hydrocarbons		Fair	Good	Good-Fair	-	-	-	-	Good
Greases and Oils		Good-Fair	Good	Good	-	Good	Good	Good	Good
Halogenated Hydrocarbons		Fair-Poor	Good	Good-Poor	-	-	-	-	Good
Halogens		Fair-Poor	-	Fair-Poor	-	-	-	-	Fair
Ketones		Good-Fair	Good	Good-Fair	-	-	-	-	Good

POLYMER DATA TABLE

		Poly-methyl-meth-acrylate PMMA	Poly-methyl-pentene TPX [®]	Polyoxy-methylene Copolymer Acetal Copolymer POMC	Polyoxy-methylene Homopolymer Acetal Homopolymer POMH	Polyoxymethylene/Acetal Copolymer - 10% Carbon Fiber Reinforced	Poly-phenylene-oxide modified PPO PPE	Poly-phenylene-oxide (modified) PPO 30% GFR	Poly-phenylene-sulfide 40% Glass Fiber Reinforced PPS - 40% GFR
Physical Properties									
Abbe number		57.2	-	-	-	-	-	-	-
Density	g cm ⁻³	1.19	0.835	1.41	1.42	1.43	1.06	1.29	1.66
Flammability		HB	HB	HB	HB	-	HB	HB	V0
Limiting oxygen index	%	17-20	17	15	15	-	20	26	46
Optical transmission	%	-	-	-	-	-	-	-	-
Radiation resistance		Fair	-	Poor	Poor	-	Good	-	Good
Refractive index		1.49	1.463	-	-	-	-	-	-
Resistance to Ultra-violet		Good	Poor	Poor	Poor	-	-	-	Good
Water absorption	%	-	-	-	-	-	-	-	-
Water absorption - equilibrium	%	-	-	0.6 - 0.8	0.6 - 0.9	-	-	-	-
Water absorption - over 24 hours	%	0.2	0.01	0.2 - 0.25	0.25	< 0.1	0.1-0.5	0.06-0.33	< 0.05
Electrical Properties									
Dielectric constant @1kHz		-	-	-	-	-	-	-	-
Dielectric constant @1MHz		2.6	2.12	3.7 - 4.4	3.7	-	2.7	3.1	3.8 - 4.2
Dielectric strength	kV mm ⁻¹	15	-	20 @ 2.3mm	20	-	16-20	15	18
Dissipation factor @ 1kHz		-	0.0002	-	-	-	0.004	0.01	-
Dissipation factor @ 1MHz		0.014	-	0.006 - 0.18	0.005	-	-	-	0.0013-0.004
Surface resistivity	Ohm/sq	10 ¹⁴	-	10 ¹⁵	10 ¹⁵	10 ³	2x10 ¹⁶	-	10 ¹⁶
Volume resistivity	Ohmcm	2-14 x 10 ¹⁵	> 10 ¹⁶	10 ¹⁵	10 ¹⁵	10 ⁴	10 ¹⁷	10 ¹⁷	10 ¹⁶
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	70-77	117	80-120	122	60	60	25-30	22-35
Heat-deflection temperature - 0.45MPa	C	105	100	160	170	-	137	165	> 260
Heat-deflection temperature - 1.8MPa	C	95	40	110	135	-	125	135	240
Lower working temperature	C	-40	-20 to -40	-40	-	-	-40	-	-
Specific heat	J K ⁻¹ kg ⁻¹	1400 - 1500	2000	1500	1500	-	-	-	-
Thermal conductivity	W m ⁻¹ K ⁻¹	0.17-0.19 @23C	0.17 @23C	0.23-0.3 @23C	0.22-0.24 @23C	0.4	0.22 @23C	0.28 @23C	0.29-0.45 @23C
Upper working temperature	C	50 to 90	75-115	80-120	80-120	100	80-120	90-160	200-260
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	-	-	-	20	35	-
Coefficient of friction		-	-	-	0.2 - 0.35	-	0.35	-	-
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	-	-	-	-	-	-
Compressive strength	MPa	-	-	-	-	-	-	-	-
Elongation at break	%	2.5-4	15	15 - 40	40 - 75	1.2	50	2-3	1.2
Hardness - Rockwell		M92-100	R85	M80	M94	-	M78/R115	L108	R123
Izod impact strength	J m ⁻¹	16-32	49	70-80	75 - 130	-	200	80	75-80
Poisson's ratio		0.35 - 0.4	-	0.35	0.35	-	0.38	0.27	-
Tear strength	N mm ⁻¹	-	-	-	-	-	-	-	-
Tensile modulus	GPa	2.4-3.3	1.5	2.3 - 2.8	2.9 - 3.1	8	2.5	8-9	7.6-12.0
Tensile strength	MPa	80	25.5	60-70	70	70	55-65	100-120	124-160
Chemical Resistance									
Acids - concentrated		Good-Poor	Good-Fair	Poor	Poor	Poor	Good-Fair	Good-Fair	Good-Poor
Acids - dilute		Good-Poor	Good	Good-Fair	Poor - Fair	Poor-Good	Good	Good	Good
Alcohols		Good-Poor	Good	Good-Fair	Good-Fair	Good	Good	Good	Good
Alkalis		Good	Good	Good	Poor	Fair-Good	Good	Good	Good
Aromatic hydrocarbons		Poor	Fair-Poor	Good	Good	Good	Poor	Poor	Good
Greases and Oils		Good	Good-Fair	Good	Good	Good	Good-Poor	Good-Poor	Good
Halogenated Hydrocarbons		Poor	Fair-Poor	Good-Poor	Good-Poor(?)	-	Fair-Poor	Fair-Poor	Good-Poor
Halogens		Poor	Fair-Poor	Poor	Poor	Poor	Poor	Poor	Good-Poor
Ketones		Poor	Good-Fair	Good - Fair	Good - Fair	Good-Fair	Poor	Poor	Good

POLYMER DATA TABLE

		Polyphenylene- nesulphide - 20% Carbon Fiber Reinforced	Polyphenyl- sulfone	Poly- propylene PP	Polystyrene PS	Polystyrene Conductive High Impact Conductive Polystyrene	Polystyrene Cross- linked	Polysulphone	Poly- tetra- fluoro- ethylene PTFE
Physical Properties									
Abbe number		-	-	-	30.8	-	-	-	-
Density	g cm ⁻³	1.41	1.29	0.9	1.05	1.04	1.05	1.24	2.2
Flammability		V-0	V-0	HB	HB	-	HB	HB	V0
Limiting oxygen index	%	-	44	18	19	-	-	30	95
Optical transmission	%	-	-	-	-	-	-	-	-
Radiation resistance		-	-	Fair	Good	-	Good	Good	Poor
Refractive index		-	-	1.49	1.59-1.60	-	1.59	-	1.38
Resistance to Ultra-violet		-	-	Poor	Poor	-	-	Poor	Excellent
Water absorption	%	-	1.2	-	-	-	-	0.40	-
Water absorption - equilibrium	%	-	0.6	0.03	-	-	-	0.85	-
Water absorption - over 24 hours	%	< 0.05	0.35	-	< 0.4	-	0.02-0.03	-	0.01
Electrical Properties									
Dielectric constant @1kHz		-	-	-	-	-	-	3.14	-
Dielectric constant @1MHz		-	-	2.2-2.6	2.4-3.1	-	2.5	3.10	2.0-2.1
Dielectric strength	kV mm ⁻¹	-	-	30-40	20	-	27-47	17	50-170
Dissipation factor @ 1kHz		-	-	-	0.0002	-	-	0.0013	-
Dissipation factor @ 1MHz		-	0.005	0.0003 - 0.0005	-	-	0.0002	0.0050	0.0003 - 0.0007
Surface resistivity	Ohm/sq	10 ³	> 10 ¹³	10 ¹³	-	10 ² -10 ⁷	> 10 ¹⁵	-	10 ¹⁷
Volume resistivity	Ohmcm	10 ³	> 10 ¹⁴	10 ¹⁶ -10 ¹⁸	> 10 ¹⁶	10 ² -10 ⁷	> 10 ¹⁵	5x10 ¹⁶	10 ¹⁸ -10 ¹⁹
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	15	55	100-180	30-210	-	70-90	56	100-160
Heat-deflection temperature - 0.45MPa	C	-	-	100-105	90	-	-	-	120
Heat-deflection temperature - 1.8MPa	C	260	200	60-65	80	-	-	174	54
Lower working temperature	C	-	-	-10 to -60	-	-	-	-	-260
Specific heat	J K ⁻¹ kg ⁻¹	-	-	1700 - 1900	1200	-	-	-	1000
Thermal conductivity	W m ⁻¹ K ⁻¹	0.47	0.35	0.1-0.22 @23C	0.1-0.13 @23C	-	0.17 @23C	0.26	0.25 @23C
Upper working temperature	C	220	180-210	90-120	50-95	-	93	150-180	180-260
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	13-16	-	-	60-100	-	-
Coefficient of friction		-	-	0.1-0.3	-	-	-	-	0.05-0.2
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	-	-	-	-	-	-
Compressive strength	MPa	-	-	-	-	-	-	-	-
Elongation at break	%	2	30	150-300, for biax film > 50	1.6	36	3-5	50-100	400
Hardness - Rockwell		-	M80	R80-100	M60-90	-	R110-120	M91	D50-55 - Shore
Izod impact strength	J m ⁻¹	-	-	20-100	19-24	no break	-	69	160
Poisson's ratio		-	-	-	0.35	-	-	-	0.46
Tear strength	N mm ⁻¹	-	-	-	-	-	-	-	-
Tensile modulus	GPa	17	2.5	0.9-1.5, for biax film 2.2- 4.2	2.3-4.1	1.6	1.65	2.48	0.3-0.8
Tensile strength	MPa	180	76	25-40, for biax film 130-300,	30-100	27	55-70	70	10-40
Chemical Resistance									
Acids - concentrated		Fair	-	Good-Fair	Fair-Poor	-	Fair-Poor	Fair	Good
Acids - dilute		Good	-	Good-Fair	Good-Fair	-	Good(-Fair?)	Good	Good
Alcohols		Good	-	Good	Good-Fair	-	Good(-Fair?)	Good	Good
Alkalis		Good	-	Good	Good-Fair	-	Good-Fair	Good	Good
Aromatic hydrocarbons		Good	-	Fair	Poor	-	Poor	Fair	Good
Greases and Oils		Good	-	Good-Fair	Good-Poor	-	Fair-Poor	Good	Good
Halogenated Hydrocarbons		-	-	Good-Poor	Poor	-	Poor	-	Good
Halogens		Fair	-	Poor	Poor	-	Poor	Good	Good
Ketones		Good	-	Good	Poor	-	Poor	Poor	Good

POLYMER DATA TABLE

		Poly-tetra-fluoro-ethylene coated Glass Fabric PTFE 75	Polytetra-fluoro-ethylene filled with Glass PTFE 75	Poly-vinyl-chloride Unplasticised UPVC	Polyvinyl-fluoride	Poly-vinyl-idene-chloride PVDC	Poly-vinyl-idene-fluoride PVDF	Silicone Elastomer	TPE - 50% Leather Fibre Filled
Physical Properties									
Abbe number		-	-	-	-	-	-	-	-
Density	g cm ⁻³	2.08	2.25	1.4	1.37-1.39	1.63	1.76	1.1 - 1.5	1.02-1.05
Flammability		-	V0	V0	V0	-	V0	-	-
Limiting oxygen index	%	-	95	42	35	60	44	-	-
Optical transmission	%	-	-	-	-	-	-	-	-
Radiation resistance		-	-	Fair	-	Fair	Fair	Poor	-
Refractive index		-	-	1.54	1.46	-	1.42	-	-
Resistance to Ultra-violet		-	Good	Good	Excellent	Poor	Excellent	-	-
Water absorption	%	-	-	-	-	-	-	-	-
Water absorption - equilibrium	%	-	-	-	-	-	-	-	1-3
Water absorption - over 24 hours	%	-	0.15	0.03-0.4	0.05	0.1	0.04	-	-
Electrical Properties									
Dielectric constant @1kHz		-	-	-	8	-	-	-	-
Dielectric constant @1MHz		-	2.2-2.35	2.7-3.1	-	3.0-6.0	8.4	-	-
Dielectric strength	kV mm ⁻¹	-	40	14	20	-	13	-	-
Dissipation factor @ 1kHz		-	0.003	0.025	0.04	-	0.06	-	-
Dissipation factor @ 1MHz		-	-	-	-	-	-	-	-
Surface resistivity	Ohm/sq	> 10 ¹³	10 ¹⁵	-	-	10 ¹² -10 ¹³	10 ¹³	-	-
Volume resistivity	Ohmcm	> 10 ¹⁵	10 ¹⁶	10 ¹⁶	10 ¹³	10 ¹² -10 ¹⁶	10 ¹⁴	-	-
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	-	75-100	75-100	50-97	190	80-140	-	-
Heat-deflection temperature - 0.45MPa	C	-	-	70	120	-	120-150	-	-
Heat-deflection temperature - 1.8MPa	C	-	-	67	80	-	80-115	-	-
Lower working temperature	C	-190 to -60	-	-30	-70	-	-40	-70 to -50	-
Specific heat	J K ⁻¹ kg ⁻¹	-	-	1000-1500	1000 - 1800	-	-	1300 - 1500	-
Thermal conductivity	W m ⁻¹ K ⁻¹	-	0.33-0.42 @23C	0.12-0.25 @23C	-	0.13 @23C	0.1-0.25 @23C	-	-
Upper working temperature	C	260	260	50-75	150 - 200	80-100	135-150	200-260	-
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	-	-	-	24	-	-
Coefficient of friction		-	0.08-0.10	-	-	0.24	0.2-0.4	-	-
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	-	-	-	-	-	-
Compressive strength	MPa	-	-	-	-	-	-	-	-
Elongation at break	%	-	100-300	60	90-250	-	50	-	5-120
Hardness - Rockwell		-	D60-70 - Shore	R106-120	D80 - Shore	R98-106	R77-83	60 degrees Shore A	40-80 Shore A
Izod impact strength	J m ⁻¹	-	144	20-1000	180	16-53	120-320	-	-
Poisson's ratio		-	-	-	0.4	-	0.34	-	-
Tear strength	N mm ⁻¹	-	-	-	130-200 (initial)	-	-	-	-
Tensile modulus	GPa	-	1.7	2.5-4.0	2.1 - 2.6	0.3-0.55	1.0-3.0	-	-
Tensile strength	MPa	-	7-20	25-70	55-110	25-110	25-60	6.5	1-10
Chemical Resistance									
Acids - concentrated		Poor	Poor	Good-Poor	-	Good-Fair	Good	Good-Poor	-
Acids - dilute		Good	Good	Good	-	Good	Good	Good-Poor	-
Alcohols		Good	Good	Good	-	Good	Good	Good-Fair	-
Alkalis		Good-Fair	Good-Fair	Good	-	Good	Fair	Good-Fair	-
Aromatic hydrocarbons		Good	Good	Poor	-	Fair	Good	Poor	-
Greases and Oils		Good	Good	Good	-	Good	Good	Good-Poor	-
Halogenated Hydrocarbons		Good	Good	Fair-Poor	-	-	Good-Fair	Poor	-
Halogens		Fair	Good	Fair	-	-	Good-Poor	Poor	-
Ketones		Good	Good	Poor	-	Fair	-	Poor	-

POLYMER DATA TABLE

		Tetrafluoroethylene-perfluoro(alkoxy vinyl ether) - Copolymer	Vectra A [®] - 15% Glass Fiber Reinforced	Vectra A [®] - 30% Glass Fibre Reinforced	Vectra A [®] Liquid Crystal Polyester	Vectra B [®] - 30% Glass Fiber Reinforced	Vectra B [®] Liquid Crystal Polyester/amide copolymer
Physical Properties							
Abbe number		-	-	-	-	-	-
Density	g cm ⁻³	2.15	1.50	1.62	1.40	1.60	1.40
Flammability		V0	V-0	UL94 V-0	V0 @ 0.8mm	V-0	V0 @ 0.4mm
Limiting oxygen index	%	> 95%	-	45	35	50	50
Optical transmission	%	-	-	-	-	-	-
Radiation resistance		-	Good	Good	Good	Good	Good
Refractive index		1.35	-	-	-	-	-
Resistance to Ultra-violet		-	Good	Good	Good	Good	Good
Water absorption	%	< 0.03	-	-	-	-	-
Water absorption - equilibrium	%	-	-	0.04	0.03	0.08	0.1
Water absorption - over 24 hours	%	-	-	0.005	0.02	0.009	0.03
Electrical Properties							
Dielectric constant @1kHz		2.05-2.06	-	-	-	-	-
Dielectric constant @1MHz		2.05-2.06	3.0	4.1	3.0	3.5	3.1
Dielectric strength	kV mm ⁻¹	-	34	-	47 @ 1.5mm	38	37 @ 1.5mm
Dissipation factor @ 1kHz		0.0001-0.0002	-	-	-	-	-
Dissipation factor @ 1MHz		0.0008	0.018	0.018	0.02	0.008	0.01
Surface resistivity	Ohm/sq	-	10 ¹³	> 10 ¹⁵	4x10 ¹³	> 10 ¹⁵	-
Volume resistivity	Ohmcm	-	> 10 ¹⁵	10 ¹³	10 ¹⁶	10 ¹³	10 ¹⁶
Thermal Properties							
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	76-78	5-18	3-10	-5 to +75	3-13	-5 to +40
Heat-deflection temperature - 0.45MPa	C	63-80	-	250	220	-	-
Heat-deflection temperature - 1.8MPa	C	48-50	230	235	180	235	200
Lower working temperature	C	-	-	-	approx. -200	-	-
Specific heat	J K ⁻¹ kg ⁻¹	-	-	-	1000	1626	1000
Thermal conductivity	W m ⁻¹ K ⁻¹	0.19	-	-	0.18 @23C	-	0.18 @23C
Upper working temperature	C	260	200-220	200-220	200-220	200-220	-
Mechanical Properties							
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	-	56	-	-
Coefficient of friction		-	-	-	0.12-0.14	-	-
Compression set after 24 hr at 175C	%	-	-	-	-	-	-
Compressive modulus	GPa	-	10	-	-	21.5	-
Compressive strength	MPa	-	85	-	70	150	84
Elongation at break	%	300	3.1	1.1	3	1.0	1.3
Hardness - Rockwell		-	M80	M93	M60	M100	M100
Izod impact strength	J m ⁻¹	-	-	-	520	-	415
Poisson's ratio		-	-	-	-	-	-
Tear strength	N mm ⁻¹	-	-	-	-	-	-
Tensile modulus	GPa	-	12	22	2-10	22	2.5-20
Tensile strength	MPa	25	200	160	55-165	205	87-188
Chemical Resistance							
Acids - concentrated		Excellent	Fair	-	Good-Poor	Fair	Good-Poor
Acids - dilute		Excellent	Good	Good	Good	Good	Good
Alcohols		Excellent	Good	Good	Good	Good	Good
Alkalies		Excellent	Fair	Fair	Good-Fair	Fair	Fair
Aromatic hydrocarbons		Excellent	Good	Good	Good	Good	Good
Greases and Oils		Excellent	Good	Good	Good	Good	Good
Halogenated Hydrocarbons		-	-	-	Good(?)	-	-
Halogens		Excellent	-	-	Good	-	-
Ketones		Excellent	Good	Good	Good	Good	Good

CERAMIC DATA TABLE

		Alumina Al ₂ O ₃	Alumina Silicate SiO ₂ 53/ Al ₂ O ₃ 47	Alumina/ Silica Al ₂ O ₃ 80 / SiO ₂ 20	Alumina/ Silica Al ₂ O ₃ 96 / SiO ₂ 4 Saffil®	Alumina/ Silica/ Boria Al ₂ O ₃ 70 / SiO ₂ 28	Alumina/ Silica/ Boria Al ₂ O ₃ 62 / SiO ₂ 24	Alumino- silicate Glass
Physical Properties								
Apparent porosity	%	0	-	-	-	-	0	45
Density	g cm ⁻³	3.9	2.7	3.1	3.3-3.5	3.05	2.7	2.65
Refractive index		-	-	-	-	1.62	1.57	1.54
Transmission - Ultra-violet		-	-	-	-	-	-	-
Transmission - Visible light		-	-	-	-	-	-	-
Useful optical transmission range		-	-	-	-	-	-	-
Water absorption - saturation	%	0	-	-	-	-	0	-
Electrical Properties								
Dielectric constant		9.0-10.1	-	-	-	5.7 @ 9.4GHz	5.2 @ 9.4GHz	-
Dielectric strength	kV mm ⁻¹	10-35	-	-	-	-	-	-
Volume resistivity	Ohmcm	> 10 ¹⁴ @25C	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	8.0 @20- 1000C	-	-	-	5 @20- 1000C	3 @20- 1000C	5 @20- 1000C
Melting point	C	2100	1790	-	2000	-	-	-
Specific heat	J K ⁻¹ kg ⁻¹	850-900 @25C	1050 @1090C	-	1000 @25C	1000 @500C	1100 @25C	-
Sublimation point	C	-	-	-	-	1800	1800	-
Thermal conductivity	W m ⁻¹ K ⁻¹	26-35 @20C	-	-	-	-	-	-
Upper continuous use temperature	C	1700	1260	1600	1600	1350-1650	1200-1400	900
Mechanical Properties								
Compressive strength	MPa	2200-2600	-	-	-	-	-	-
Fracture toughness	MPam(0.5)	-	-	-	-	-	-	-
Hardness - Knoop	kgf mm ⁻²	2100	-	-	-	-	-	-
Hardness - Vickers	kgf mm ⁻²	1500-1650	-	-	-	-	-	-
Poisson's ratio		-	-	-	-	-	-	-
Shear strength	MPa	330	-	-	-	-	-	-
Tensile modulus	GPa	300-400	-	-	100-300	185	140	-
Tensile strength	MPa	-	-	-	-	-	-	-
Chemical Resistance								
Acids - concentrated		Good	Fair-Good	-	Good	Fair	Fair	Fair
Acids - dilute		Good	Good	-	Good	Good	Good	Good
Alkalies		Good	Fair	-	Good	Poor-Fair	Poor-Fair	Good
Halogens		Good	-	-	Good	-	-	-
Metals		Good	-	-	Good	-	Good	-

CERAMIC DATA TABLE

		Aluminum Nitride AlN	Aluminum Nitride Shapal-M®	Beryllia BeO 99.5%	Boron Carbide B ₄ C	Boron Carbide Hot-pressed B ₄ C	Boron Nitride Hot-pressed BN	Leachable Ceramic SiO ₂ 50 / ZrSiO ₄ 40 / Al ₂ O ₃ 10
Physical Properties								
Apparent porosity	%	-	0	0	-	<3	2-15	25
Density	g cm ⁻³	3.33	2.95	2.86	2.52	2.45-2.52	1.9-2.2	2.1
Refractive index		-	-	-	-	-	-	-
Transmission - Ultra-violet		-	-	-	-	-	-	-
Transmission - Visible light		-	-	-	-	-	-	-
Useful optical transmission range		500-3000nm	-	-	-	-	-	-
Water absorption - saturation	%	0	-	0.07	-	-	-	14
Electrical Properties								
Dielectric constant		9.2	7.3	6.5-7.5	-	-	4.3	-
Dielectric strength	kV mm ⁻¹	35	40	10-14	-	-	40-200	-
Volume resistivity	Ohmcm	> 10 ¹³ @25C	1.8 x 10 ¹³ @25C	> 10 ¹⁴ @25C	-	0.1-10 @25C	10 ¹¹ -10 ¹⁴ @25C	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	4.4 @20-1000C	5.2 @20-1000C	8.4-9.0 @20-1000C	-	5.6 @20-1000C	1.0-36 @20-1000C	1.98 @20-1000C
Melting point	C	2200	-	-	2450	2450	-	-
Specific heat	J K ⁻¹ kg ⁻¹	800 @25C	-	1020-1120 @25C	-	950 @25C	800-2000 @25C	-
Sublimation point	C	2500	-	-	-	-	2600-2800	-
Thermal conductivity	W m ⁻¹ K ⁻¹	175 - 190 @20C	100 @20C	260-300 @20C	-	30-90 @20C	15-50 @20C	-
Upper continuous use temperature	C	1000-1800	1000 - 1900	1800-1900	600-800	600-800	950-2500	1050
Mechanical Properties								
Compressive strength	MPa	-	1000	1550-1850	200-300	1400-3400	30-120	-
Fracture toughness	MPam(0.5)	-	-	-	-	-	-	-
Hardness - Knoop	kgf mm ⁻²	-	-	-	-	2800-3500	-	-
Hardness - Vickers	kgf mm ⁻²	1100	560	1100-1300	-	3200	-	-
Poisson's ratio		-	-	-	-	-	-	-
Shear strength	MPa	450	-	180-250	-	-	12-25	-
Tensile modulus	GPa	-	160	340-400	-	440-470	20-35	-
Tensile strength	MPa	-	-	-	-	-	-	-
Chemical Resistance								
Acids - concentrated		Poor	-	Poor	-	Fair	Fair	Fair
Acids - dilute		Fair	Fair	Fair	-	Good	Fair	Fair
Alkalis		Fair	Poor	Fair	-	Fair	Fair	Poor
Halogens		-	-	Fair	-	Fair	Poor	Fair
Metals		Good	-	Good	-	Fair	Good	Good

CERAMIC DATA TABLE

		Machin- able Glass Ceramic	Magne- sium oxide	Potassium Alumino- silicate Muscovite Mica	Quartz Fused SiO ₂ 99.9%	Ruby Al ₂ O ₃ 98.8/ Cr ₂ O ₃ 0.9/	Sapphire Al ₂ O ₃ 99.9%	Silica SiO ₂ 96%
Physical Properties								
Apparent porosity	%	0	< 1%	-	0	0	0	0
Density	g cm ⁻³	2.52	3.40	2.6-3.2	2.2	3.98	3.985	2.18
Refractive index		-	-	1.5-1.6	1.46	-	1.71-1.79	1.46
Transmission - Ultra-violet		-	-	-	-	-	-	-
Transmission - Visible light		-	-	-	-	-	-	-
Useful optical transmission range		-	-	450-700nm	180-2500nm	150-5500nm	200-5500nm	365-2500nm
Water absorption - saturation	%	-	-	Very Low	0	0	0	0
Electrical Properties								
Dielectric constant		5.9	-	6.0-6.6	3.8	7.5-11.5	7.5-11.5	3.8
Dielectric strength	kV mm ⁻¹	40	-	40-200	25-40	15-50	15-50	-
Volume resistivity	Ohmcm	> 10 ¹⁴ @25C	-	10 ¹² @25C	10 ¹⁸ @25C	10 ¹⁴ @25C	> 10 ¹⁴ @25C	10 ¹⁴ @25C
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	13 @20-1000C	-	9-36 @20-1000C	0.54 @20-1000C	5.8 @20-1000C	5.8 @20-1000C	0.5-0.75 @20-1000C
Melting point	C	-	-	-	1715	2050	2050	1715
Specific heat	J K ⁻¹ kg ⁻¹	790 @25C	-	50 @25C	670-740 @25C	750 @25C	750 @25C	750 @25C
Sublimation point	C	-	-	-	-	-	-	-
Thermal conductivity	W m ⁻¹ K ⁻¹	1.5 @20C	-	0.5-7 @20C	1.46 @20C	35-40 @20C	35-40 @20C	1.2-1.4 @20C
Upper continuous use temperature	C	800-1000	2200	500-600	1100-1400	1800-1950	1800-1950	900-1200
Mechanical Properties								
Compressive strength	MPa	345	-	190-280	1100	2100	2100	-
Fracture toughness	MPam(0.5)	-	-	-	-	-	-	-
Hardness - Knoop	kgf mm ⁻²	-	-	-	820	2000	2000	-
Hardness - Vickers	kgf mm ⁻²	400	-	2-3	1000	2500-3000	1600-1800	490
Poisson's ratio		-	-	-	-	-	-	-
Shear strength	MPa	-	-	215-265	70	-	-	-
Tensile modulus	GPa	67	-	-	72-74	350-390	350-390	65-75
Tensile strength	MPa	-	-	-	-	-	-	-
Chemical Resistance								
Acids - concentrated		Poor	-	Fair	Good	Good	Good	Good
Acids - dilute		Fair	-	Good	Good	Good	Good	Good
Alkalis		Fair	-	Good	Fair	Good	Good	Fair
Halogens		-	-	-	Good	Good	Good	Good
Metals		-	Good	-	Fair	Good	Good	Fair

CERAMIC DATA TABLE

		Silicon Carbide SiC	Silicon Carbide Hot-pressed SiC	Silicon Carbide Reaction Bonded SiC	Silicon Nitride Si ₃ N ₄	Silicon Nitride Hot-pressed Si ₃ N ₄	Silicon Nitride Reaction Bonded Si ₃ N ₄	Silicon Nitride/Aluminum Nitride/Oxide Sialon [®]
Physical Properties								
Apparent porosity	%	-	0	0	-	0	15-23	0.01
Density	g cm ⁻³	3.2	3.15	3.10	3.44	3.11	2.4	3.24
Refractive index		-	-	-	-	-	-	-
Transmission - Ultra-violet		-	-	-	-	-	-	-
Transmission - Visible light		-	-	-	-	-	-	-
Useful optical transmission range		-	-	-	-	-	-	-
Water absorption - saturation	%	-	-	-	-	-	-	-
Electrical Properties								
Dielectric constant		-	40	-	-	10	10	-
Dielectric strength	kV mm ⁻¹	-	-	-	-	-	-	-
Volume resistivity	Ohmcm	-	10 ³ -10 ⁵ @25C	10 ² -10 ³ @25C	-	10 ¹² -10 ¹⁵ @25C	> 10 ⁷ @25C	10 ¹² -10 ¹⁷ @25C
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	-	4.5 @20-1000C	4.3-4.6 @20-1000C	-	3.3 @20-1000C	3.3 @20-1000C	3.3-3.7 @20-1000C
Melting point	C	2650-2950	2650-2950	-	-	-	-	-
Specific heat	J K ⁻¹ kg ⁻¹	-	670-710 @25C	1100 @25C	-	680-800 @25C	690 @25C	620-710 @25C
Sublimation point	C	-	-	-	1900	1900	-	-
Thermal conductivity	W m ⁻¹ K ⁻¹	-	90-160 @20C	150-200 @20C	-	15-43 @20C	10-16 @20C	20 @20C
Upper continuous use temperature	C	-	1500-1650	1350	-	1100-1650	1200-1500	1000
Mechanical Properties								
Compressive strength	MPa	-	1000-1700	2000-3500	-	2000-3500	550-650	> 3500
Fracture toughness	MPam(0.5)	-	-	-	-	-	-	-
Hardness - Knoop	kgf mm ⁻²	-	-	-	-	-	-	-
Hardness - Vickers	kgf mm ⁻²	2500	2400-2800	2500-3500	-	1700-2200	800-1000	1650-1800
Poisson's ratio		-	-	-	-	-	-	-
Shear strength	MPa	-	210-380	-	-	480-960	190-240	-
Tensile modulus	GPa	-	200-500	410	-	280-310	170-220	280-300
Tensile strength	MPa	-	-	-	-	-	-	-
Chemical Resistance								
Acids - concentrated		-	Good	Good	-	Fair	Fair	Good
Acids - dilute		-	Good	Good	-	Good	Good	Good
Alkalis		-	Good-Poor	Fair	-	Good-Poor	Fair	Fair
Halogens		-	Good-Poor	Fair	-	Good	Good	-
Metals		-	Fair	Fair	-	Fair	Fair	-

CERAMIC DATA TABLE

		Titanium Diboride TiB ₂	Titanium Dioxide TiO ₂ 99.6%	Tungsten Carbide/ Cobalt WC 94/ Co 6	Yttrium Oxide Y ₂ O ₃	Zirconia stabilized with Magnesia ZrO ₂ / MgO	Zirconia stabilized with Yttria ZrO ₂ / Y ₂ O ₃	Zirconia unstabi- lized ZrO ₂ 99%
Physical Properties								
Apparent porosity	%	-	0	-	-	0	-	-
Density	g cm ⁻³	4.5	4.05	14.95	5.03	5.74	5.9	6.1
Refractive index		-	-	-	-	-	-	-
Transmission - Ultra-violet		-	-	-	-	-	-	-
Transmission - Visible light		-	-	-	-	-	-	-
Useful optical transmission range		-	-	-	-	-	-	-
Water absorption - saturation	%	-	-	-	-	0	-	-
Electrical Properties								
Dielectric constant		-	80-100	-	-	-	-	-
Dielectric strength	kV mm ⁻¹	-	-	-	-	-	-	-
Volume resistivity	Ohmcm	15 @25C	10 ¹³ -10 ¹⁸ @25C	2x10 ⁻⁶ @25C	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	6-7 @20-1000C	8-10 @20-1000C	4.6-5.0 @20-1000C	8.1 @20-1000C	5-10 @20-1000C	10 @20-1000C	-
Melting point	C	3000	1850	-	2400	-	2700	2650
Specific heat	J K ⁻¹ kg ⁻¹	-	-	200-480 @25C	-	400-500 @25C	400-500 @25C	-
Sublimation point	C	-	-	-	-	-	-	-
Thermal conductivity	W m ⁻¹ K ⁻¹	50-70 @20C	2.5-5.0 @20C	60-80 @20C	8-12 @20C	1.5-2.5 @20C	2.5 @20C	-
Upper continuous use temperature	C	1000-2000	-	-	-	1000	2200	2200
Mechanical Properties								
Compressive strength	MPa	-	800-1000	5300-7000	-	1500-2000	2000	-
Fracture toughness	MPam(0.5)	-	-	-	-	-	-	-
Hardness - Knoop	kgf mm ⁻²	-	-	-	-	-	-	-
Hardness - Vickers	kgf mm ⁻²	3000	980	1550	-	1200	1250	-
Poisson's ratio		0.18-0.20	-	-	-	-	-	-
Shear strength	MPa	300-600	-	-	-	414	-	-
Tensile modulus	GPa	520-570	250-300	600	-	200	200	-
Tensile strength	MPa	-	-	-	-	-	-	-
Chemical Resistance								
Acids - concentrated		Fair	Fair	-	-	Fair	-	-
Acids - dilute		Good	Good	-	-	Good	-	-
Alkalies		Fair	Poor	-	-	Good-Poor	-	-
Halogens		Good	-	-	-	Fair	-	-
Metals		Good	Poor	-	-	Good-Fair	-	-