

Evaporation Materials



Alfa Aesar has compiled a broad representation of the more commonly used materials for evaporating and crystal growing applications. If you cannot find what you are looking for here, please contact our Specialty Sales Group to discuss your particular needs.

All purities are based on total metallic impurities unless otherwise specified. All products designated as Puratronic® or REacton® grade are automatically supplied with a Certificate of Analysis. This certificate details elements sought, detection limits and total metallic impurity levels in parts per million. Impurities are based on Total Metallic Impurities (TMI).

Tolerances for metal are normally $\pm 10\%$ of listed value unless specifically identified.

This section contains only slugs and sputtering targets. Granules, pieces, pellets, wires and foils are also available for the majority of pure elements. In addition, fine powders are available for various □ Spraying □ or □ Pressing □ applications. Oxides, fluorides, pieces and lump materials can be found in the inorganics section.

Materials should always be handled with gloves. After opening, materials should be kept under an inert atmosphere to minimize oxidation. Hot pressed/hip targets should be handled with care. Bonding is suggested.

Alfa Aesar offer the following types of products for Evaporation Materials:

Slugs

Pure Element Sputtering Targets

Compound Sputtering Targets

Heat Sink Grease

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Колмна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижегород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

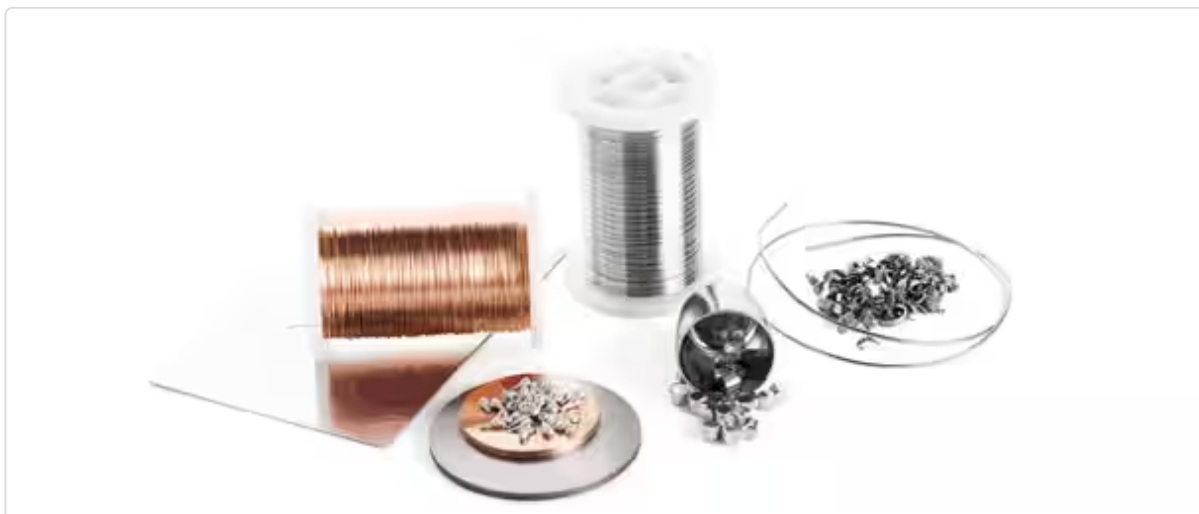
Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://aesar.nt-rt.ru/> || arj@nt-rt.ru

Evaporation Slugs



Alfa Aesar has compiled a broad representation of the more commonly used materials for evaporating and crystal growing applications. If you cannot find what you are looking for here, please contact our Specialty Sales Group to discuss your particular needs.

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39672	Aluminum Silicon slug, 12.7mm (0.5in) dia x 12.7mm (0.5in) length, Puratronic®, 99.999% (metals basis)
38492	Aluminum Silicon slug, 6.35mm (0.25in) dia x 12.7mm (0.5in) length, Puratronic®, 99.999% (metals basis)
42322	Aluminum Silicon slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.99% (metals basis)
40417	Aluminum slug, 1.98mm (0.078in) dia x 8.0mm (0.315in) length, 99.99% (metals basis)
42256	Aluminum slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.99% (metals basis)
43390	Aluminum slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, Puratronic®, 99.9995% (metals basis)
44326	Aluminum slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, Puratronic®, 99.9999% (metals basis)
42257	Aluminum slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, Puratronic®, 99.999% (metals basis)
42258	Aluminum slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, 99.99% (metals basis)
44327	Aluminum slug, 3.175mm (0.125in) dia x 6.35mm (0.25 in) length, Puratronic®, 99.9995% (metals basis)
43391	Aluminum slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, Puratronic®, 99.9995% (metals basis)
42259	Aluminum slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, Puratronic®, 99.999% (metals basis)
42328	Aluminum slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, 99.99% (metals basis)
43392	Aluminum slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, Puratronic®, 99.9995% (metals basis)

42324	Aluminum slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, Puratronic®, 99.999% (metals basis)
44329	Aluminum slug, 6.35mm (0.25in) dia x 12.7mm (0.5in) length, Puratronic®, 99.9998% (metals basis)
42327	Aluminum slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.99% (metals basis)
43357	Aluminum slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, Puratronic®, 99.9995% (metals basis)
44328	Aluminum slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, Puratronic®, 99.9999% (metals basis)
42323	Aluminum slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, Puratronic®, 99.999% (metals basis)
42355	Cobalt slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.95% (metals basis)
42354	Cobalt slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, 99.95% (metals basis)
42353	Cobalt slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, 99.95% (metals basis)
43227	Cobalt slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, Puratronic®, 99.995% (metals basis)
39671	Cobalt slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.95% (metals basis)
43226	Cobalt slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, Puratronic®, 99.995% (metals basis)
42352	Copper slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.995% (metals basis)
42958	Copper slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, Puratronic®, 99.9999% (metals basis)
44258	Copper slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, 99.995+% (metals basis), Oxygen free
42959	Copper slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, Puratronic®, 99.9999% (metals basis)

42350	Copper slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, 99.996% (metals basis)
42961	Copper slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, Puratronic®, 99.9999% (metals basis)
39675	Copper slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.996% (metals basis)
39674	Copper slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.99% (metals basis)
42960	Copper slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, Puratronic®, 99.9999% (metals basis)
42983	Gold Germanium slug, 3.175mm (0.125in) dia x ≈3.175mm (0.125in) length, Premion®, 99.998% (metals basis)
14172	Gold Germanium slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, Premion®, 99.9997% (metals basis)
14173	Gold Germanium slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, Premion®, 99.999% (metals basis)
40442	Gold slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, Premion®, 99.995% (metals basis)
13394	Gold slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, Premion®, 99.99% (metals basis)
14174	Gold slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, Premion®, 99.999% (metals basis)
43470	Gold Zinc slugs, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.95% (metals basis)
43469	Gold Zinc slugs, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.99% (metals basis)
43468	Gold Zinc slugs, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.99% (metals basis)
43414	Indium slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.998% (metals basis)
45121	Iridium slug, 6.0mm (0.24in) dia x 12.0mm (0.48in) length, 99.8% min. (metals basis)
44232	Iridium slug, 6.0mm (0.24in) dia x 6.0mm (0.24in) length, 99.8% (metals basis)
42385	Iron slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.95% (metals basis)
42384	Iron slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, 99.95% (metals basis)

42383	Iron slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.95% (metals basis)
43415	Lead slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, Puratronic®, 99.999% (metals basis)
43296	Magnesium slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, unannealed, 99.95% (metals basis)
43297	Magnesium slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, annealed, 99.95% (metals basis)
43299	Magnesium slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, 99.95% (metals basis)
43298	Magnesium slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.95% (metals basis)
42361	Molybdenum slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.95% (metals basis)
42360	Molybdenum slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, 99.95% (metals basis)
42358	Molybdenum slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, 99.95% (metals basis)
42359	Molybdenum slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.95% (metals basis)
42368	Nickel Chromium slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.95% (metals basis)
42367	Nickel Chromium slug, 3.175mm(0.125in) dia x 6.35mm (0.25in) length, 99.95% (metals basis)
42365	Nickel Chromium slug, 6.35mm (0.25in) dia x 12.7mm (0.5in) length, 99.95% (metals basis)
42366	Nickel Chromium slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.95% (metals basis)
42325	Nickel slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.98% (metals basis)

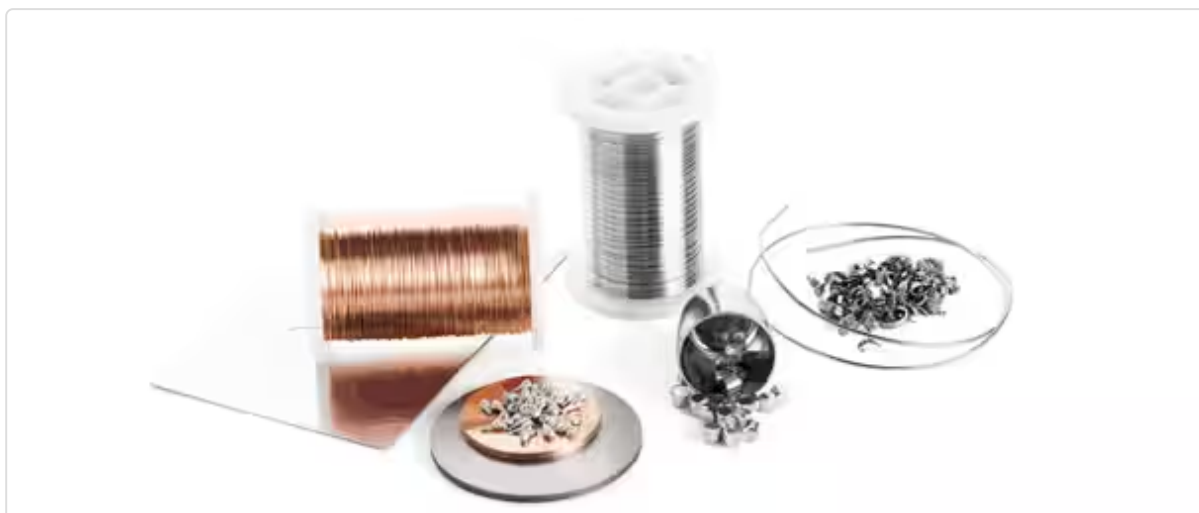
42333	Nickel slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, Puratronic®, 99.995% (metals basis)
42326	Nickel slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, 99.98% (metals basis)
42332	Nickel slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, Puratronic®, 99.995% (metals basis)
42329	Nickel slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, 99.98% (metals basis)
42330	Nickel slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, Puratronic®, 99.995% (metals basis)
39673	Nickel slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.98% (metals basis)
42331	Nickel slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, Puratronic®, 99.995% (metals basis)
42845	Niobium slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.95% (metals basis excluding Ta)
42846	Niobium slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, 99.95% (metals basis excluding Ta)
42848	Niobium slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, 99.95% (metals basis excluding Ta)
35365	Niobium slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, Puratronic®, 99.99% (metals basis excluding Ta), Ta 300ppm
42847	Niobium slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.95% (metals basis excluding Ta)
40418	Palladium slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.9% (metals basis)
13374	Platinum slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, Premion®, 99.99+% (metals basis)
40419	Platinum slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.95% (metals basis)

13381	Rhodium slug, 99.95% (metals basis)
43926	Silicon slugs, 9.5mm (0.375in) dia x 9.5mm (0.375in) length, 99.9999% (metals basis)
42924	Silver slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.99% (metals basis)
42984	Silver slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, Premion®, 99.999% (metals basis)
42923	Silver slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, 99.99% (metals basis)
42985	Silver slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, Premion®, 99.999% (metals basis)
42921	Silver slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, 99.99% (metals basis)
42987	Silver slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, Premion®, 99.999% (metals basis)
42922	Silver slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.99% (metals basis)
42986	Silver slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, Premion®, 99.999% (metals basis)
42826	Tantalum slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.95% (metals basis)
42827	Tantalum slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, 99.95% (metals basis)
39670	Tantalum slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.95% (metals basis)
41169	Tin slug, 11mm (0.43in) dia x 2mm (0.1in) thick, Puratronic®, 99.995% (metals basis)
14134	Tin slug, 11mm (0.43in) dia x 4mm (0.2in) thick, Puratronic®, 99.999% (metals basis)
43416	Tin slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, Puratronic®, 99.995% (metals basis)
42390	Titanium slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.98% (metals basis)
42394	Titanium slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, Puratronic®, 99.995% (metals basis)

42387	Titanium slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, 99.98% (metals basis)
42391	Titanium slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, Puratronic®, 99.995% (metals basis)
42388	Titanium slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.98% (metals basis)
42392	Titanium slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, Puratronic®, 99.995% (metals basis)
41303	Titanium slug, 9.5mm (0.37in) dia x 9.5mm (0.37in) length, 99.995% (metals basis)
10381	Titanium slug, 9.5mm (0.37in) dia x 9.5mm (0.37in) length, 99.9+% (metals basis)
44249	Tungsten slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.97% (metals basis)
44250	Tungsten slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, 99.97% (metals basis)
44252	Tungsten slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, 99.97% (metals basis)
44251	Tungsten slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.97% (metals basis)
42190	Vanadium slug, 11mm (0.43in) dia x 4mm (0.16in) thick, 99.8% (metals basis)
42828	Vanadium slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.8% (metals basis)
42829	Vanadium slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, 99.8% (metals basis)
11068	Vanadium slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, 99.8% (metals basis)
42830	Vanadium slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.8% (metals basis)
43417	Zinc slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, Puratronic®, 99.993% (metals basis)
42511	Zirconium slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.5% (metals basis excluding Hf), Hf nominal 3%
42559	Zirconium slug, 3.175mm (0.125in) dia x 3.175mm (0.125in) length, 99.9+% (metals basis excluding Hf), Hf nominal 3%

42510	Zirconium slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, 99.5% (metals basis excluding Hf), Hf nominal 3%
42558	Zirconium slug, 3.175mm (0.125in) dia x 6.35mm (0.25in) length, 99.95% (metals basis excluding Hf), Hf nominal 3%
42508	Zirconium slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, 99.5% (metals basis excluding Hf), Hf nominal 3%
42556	Zirconium slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, 99.95% (metals basis excluding Hf), Hf nominal 3%
42509	Zirconium slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.5% (metals basis excluding Hf), Hf nominal 3%
42557	Zirconium slug, 6.35mm (0.25in) dia x 6.35mm (0.25in) length, 99.95% (metals basis excluding Hf), Hf nominal 3%

Heat Sink Grease



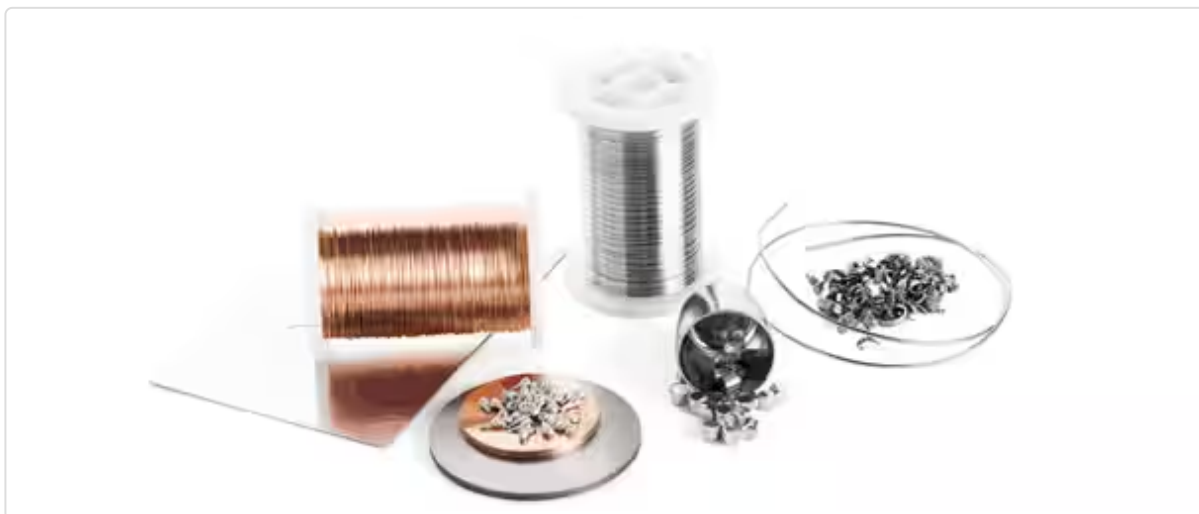
Alfa Aesar has compiled a broad representation of the more commonly used materials for evaporating and crystal growing applications. If you cannot find what you are looking for here, please contact our Specialty Sales Group to discuss your particular needs.

This section contains heat sink grease

44590 HSG-75, Electrically conductive heat sink grease, Ag \approx 75%

44589 HSG, Heat sink grease

Sputtering Targets-Compounds



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41044	Aluminum oxide sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
41045	Aluminum oxide sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.99% (metals basis)
41048	Boron carbide sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.5% (metals basis)
41049	Boron carbide sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.5% (metals basis)
41050	Boron carbide sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.5% (metals basis)
41051	Boron carbide sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.5% (metals basis)

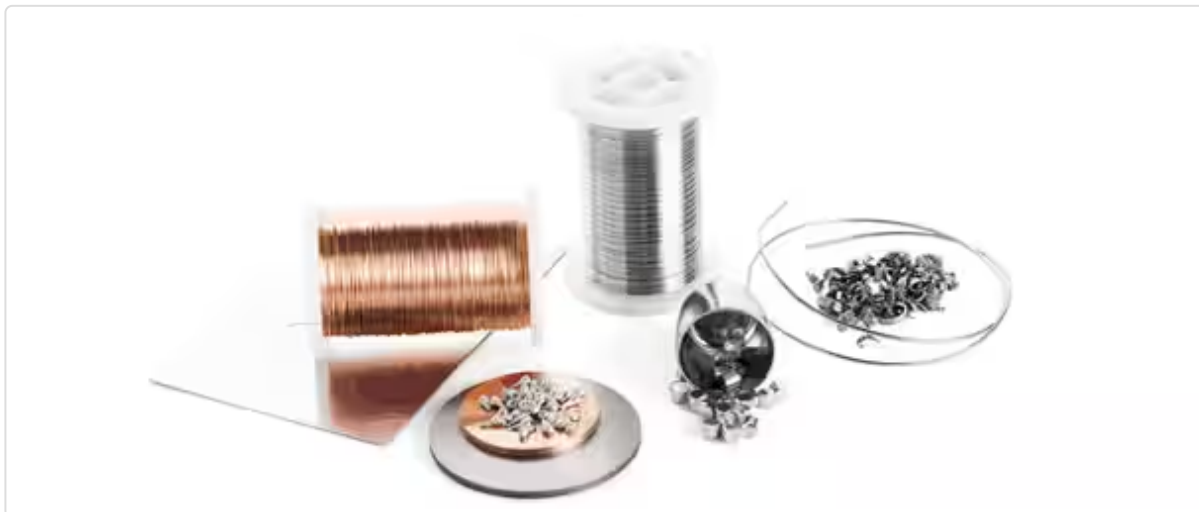
41053	Boron nitride sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.99% (metals basis)
41054	Boron nitride sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
41055	Boron nitride sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.99% (metals basis)
43343	Calcium fluoride sputtering target, 12.7mm (0.5in) dia x 2.5mm (0.098in) thick, 99.95% (metals basis)
41056	Chromium(III) oxide sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.8% (metals basis)
41060	Chromium silicide sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.5% (metals basis)
41061	Chromium silicide sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.5% (metals basis)
41063	Chromium silicide sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.5% (metals basis)
44875	Hafnium(IV) oxide sputtering target, 101.4mm (4.0in) dia x 6.35mm (0.25in) thick, 99.95% (metals basis excluding Zr)
41064	Indium tin oxide sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.13in) thick, 99.99% (metals basis)
41065	Indium tin oxide sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.25in) thick, 99.99% (metals basis)
41070	Lead zirconium titanium oxide sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.9% (metals basis)
41071	Lead zirconium titanium oxide sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.9% (metals basis)
41072	Magnesium oxide sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis excluding Ca)
41073	Magnesium oxide sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis excluding Ca)
41074	Magnesium oxide sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis excluding Ca)
41075	Magnesium oxide sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis excluding Ca)
41077	Molybdenum silicide sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.5% (metals basis)

40870	Nickel Chromium, sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
40871	Nickel Chromium, sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)
40872	Nickel Chromium, sputtering target, 76.2in (3.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
40886	Nickel Iron, sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
40887	Nickel Iron, sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)
40888	Nickel Iron, sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
40874	Nickel sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
40875	Nickel sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.99% (metals basis)
40876	Nickel sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
41080	Niobium(V) oxide sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
41081	Niobium(V) oxide sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)
41082	Niobium(V) oxide sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
41083	Niobium(V) oxide sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)
44277	Silicon carbide sputtering target, 25.4mm (1.0in) dia x 3.18mm (0.125in) thick, 99.5% (metals basis excluding B)

41084	Silicon carbide sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.5% (metals basis excluding B)
41085	Silicon carbide sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.5% (metals basis excluding B)
41086	Silicon carbide sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.5% (metals basis excluding B)
41087	Silicon carbide sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.5% (metals basis excluding B)
41093	Silicon(II) oxide sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.9% (metals basis)
41088	Silicon(IV) nitride, MgO binder, sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.9% (metals basis)
41090	Silicon(IV) nitride, MgO binder, sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.9% (metals basis)
41091	Silicon(IV) nitride, MgO binder, sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.9% (metals basis)
41096	Silicon(IV) oxide sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.995% (metals basis)
41097	Silicon(IV) oxide sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.995% (metals basis)
41098	Silicon(IV) oxide sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.995% (metals basis)
41099	Silicon(IV) oxide sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.995% (metals basis)

44342	Tantalum carbide sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.5% (metals basis)
44341	Tantalum carbide sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.5% (metals basis)
44339	Tantalum carbide sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.5% (metals basis)
44340	Tantalum carbide sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)
41100	Tantalum(V) oxide sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.9% (metals basis)
41101	Tantalum(V) oxide sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.9% (metals basis)
41103	Tantalum(V) oxide sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.9% (metals basis)
41104	Tantalum(V) oxide sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.9% (metals basis)
41106	Titanium carbide sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.5% (metals basis)
41110	Titanium nitride sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.5% (metals basis)
41111	Titanium nitride sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.5% (metals basis)
41112	Titanium nitride sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.5% (metals basis)
41115	Titanium silicide sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.5% (metals basis)
41119	Yttrium(III) oxide sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
41121	Yttrium(III) oxide sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
41123	Zinc oxide sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.9% (metals basis)
41124	Zinc oxide sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.9% (metals basis)
41126	Zinc oxide sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.9% (metals basis)

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40826	Aluminum sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.999% (metals basis)
40827	Aluminum sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.999% (metals basis)
40828	Aluminum sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.999% (metals basis)
40829	Aluminum sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.999% (metals basis)
40832	Carbon sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.999% (metals basis)
40830	Carbon sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.999% (metals basis)
45618	Cerium sputtering target, 50.8mm dia x 1.59mm thick
45734	Cerium sputtering target, 50.8mm dia x 3.18mm thick
46058	Cerium sputtering target, 76.2mm dia x 1.59mm thick
45926	Cerium sputtering target, 76.2mm dia x 3.18mm thick
40842	Chromium sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
40843	Chromium sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)
40844	Chromium sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
40845	Chromium sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)

40834	Cobalt sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
40835	Cobalt sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)
40836	Cobalt sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
40837	Cobalt sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)
43038	Copper sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.995% (metals basis)
43039	Copper sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.995% (metals basis)
40839	Copper sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.999% (metals basis)
43040	Copper sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.995% (metals basis)
40840	Copper sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.999% (metals basis)
43041	Copper sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.995% (metals basis)
40841	Copper sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.999% (metals basis)
45619	Dysprosium sputtering target, 50.8mm dia x 1.59mm thick
45735	Dysprosium sputtering target, 50.8mm dia x 3.18mm thick
46059	Dysprosium sputtering target, 76.2mm dia x 1.59mm thick
45927	Dysprosium sputtering target, 76.2mm dia x 3.18mm thick
45623	Europium sputtering target, 50.8mm dia x 1.59mm thick
45739	Europium sputtering target, 50.8mm dia x 3.18mm thick

46063	Europium sputtering target, 76.2mm dia x 1.59mm thick
45931	Europium sputtering target, 76.2mm dia x 3.18mm thick
45737	Gadolinium sputtering target, 50.8mm dia x 3.18mm thick
46061	Gadolinium sputtering target, 76.2mm dia x 1.59mm thick
45929	Gadolinium sputtering target, 76.2mm dia x 3.18mm thick
47039	Gold sputtering target, 19.0mm (0.75in) dia x 1.5mm (0.06in) thick, 99.99% (metals basis)
44402	Gold sputtering target, 25.4mm (1.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
44403	Gold sputtering target, 25.4mm (1.0in) dia x 6.35mm (0.250in) thick, 99.99% (metals basis)
44404	Gold sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
44405	Gold sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.99% (metals basis)
40851	Indium sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.999% (metals basis)
40852	Indium sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.999% (metals basis)
40848	Indium sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
40854	Iron sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
40855	Iron sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)
40857	Iron sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)
45740	Lanthanum sputtering target, 50.8mm dia x 3.18mm thick
46064	Lanthanum sputtering target, 76.2mm dia x 1.59mm thick
45932	Lanthanum sputtering target, 76.2mm dia x 3.18mm thick

40859	Magnesium sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)
40860	Magnesium sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
40861	Magnesium sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)
40862	Manganese sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
40863	Manganese sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)
40864	Manganese sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
40866	Molybdenum sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
40867	Molybdenum sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)
40868	Molybdenum sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
40869	Molybdenum sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)
40874	Nickel sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
40875	Nickel sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.99% (metals basis)
40876	Nickel sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
40882	Niobium sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis excluding Ta)
40883	Niobium sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis excluding Ta)
40884	Niobium sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis including Ta)
40885	Niobium sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis excluding Ta)

45124	Palladium sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
45125	Palladium sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.25in) thick, 99.99% (metals basis)
44398	Platinum sputtering target, 25.4mm (1.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
44399	Platinum sputtering target, 25.4mm (1.0in) dia x 6.35mm (0.250in) thick, 99.99% (metals basis)
44400	Platinum sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
44401	Platinum sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.99% (metals basis)
40890	Silicon sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.999% (metals basis)
40891	Silicon sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.999% (metals basis)
40893	Silicon sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.999% (metals basis)
41264	Silver sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
41265	Silver sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.99% (metals basis)
41266	Silver sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
41267	Silver sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.99% (metals basis)
40894	Tantalum sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis excluding Nb)
40895	Tantalum sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis excluding Nb)
40896	Tantalum sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis excluding Nb)
45622	Terbium sputtering target, 50.8mm dia x 1.59mm thick
45738	Terbium sputtering target, 50.8mm dia x 3.18mm thick

46062	Terbium sputtering target, 76.2mm dia x 1.59mm thick
45930	Terbium sputtering target, 76.2mm dia x 3.18mm thick
40898	Tin sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.995% (metals basis)
40899	Tin sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.995% (metals basis)
40900	Tin sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.995% (metals basis)
40901	Tin sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.995% (metals basis)
40902	Titanium sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.7% (metals basis)
43042	Titanium sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.995% (metals basis)
40903	Titanium sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.7% (metals basis)
43043	Titanium sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.995% (metals basis)
43044	Titanium sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.995% (metals basis)
40905	Titanium sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.7% (metals basis)
43045	Titanium sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.995% (metals basis)
41638	Tungsten sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
41639	Tungsten sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)

41640	Tungsten sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.95% (metals basis)
41641	Tungsten sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.95% (metals basis)
45620	Ytterbium sputtering target, 50.8mm dia x 1.59mm thick
45736	Ytterbium sputtering target, 50.8mm dia x 3.18mm thick
46060	Ytterbium sputtering target, 76.2mm dia x 1.59mm thick
45928	Ytterbium sputtering target, 76.2mm dia x 3.18mm thick
41655	Zinc sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
41656	Zinc sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.99% (metals basis)
41657	Zinc sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.99% (metals basis)
41658	Zinc sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.99% (metals basis)
41659	Zirconium sputtering target, 50.8mm (2.0in) dia x 3.18mm (0.125in) thick, 99.5% (metals basis excluding Hf)
41660	Zirconium sputtering target, 50.8mm (2.0in) dia x 6.35mm (0.250in) thick, 99.5% (metals basis excluding Hf)
41661	Zirconium sputtering target, 76.2mm (3.0in) dia x 3.18mm (0.125in) thick, 99.5% (metals basis excluding Hf)
41662	Zirconium sputtering target, 76.2mm (3.0in) dia x 6.35mm (0.250in) thick, 99.5% (metals basis excluding Hf)

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