



Metals and materials

The Alfa Aesar range of high purity metals and materials are all available from stock, ready for immediate shipment. Alfa Aesar brand products consist of pure metals, alloys and non-metallic elements in various purities and forms to meet most specifications. We also offer vast resources for manufacturing and fabrication to meet most specialty requirements.

In addition to pure elements and alloys, you will find a variety of forms of carbon, ceramics for high temperature applications, evaporation materials, products for brazing, optics, crystals and even a selection of fuel cell grade catalysts. We also offer selected laboratory equipment, such as magnetic susceptibility balances and hydrogen purifiers.

Product overview

The entire range consists of metals and alloys from aluminum to zirconium, featuring purities up to 99.9999%. Products are offered in a broad variety of 33 forms, including wires, foils, slugs, targets, powders, thermocouple wires and many more.

- Alloys
- Carbon and graphite
- Precious metals
- Pure elements

Innovative products


Products that offer critical benefits, provide unmatched technology, deliver custom materials and services and meet unique requirements.

- Fuel cell products
- Nanoparticle Design Services
- Nitinol
- Photovoltaics

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Below is a sampling of some of the products included in Alfa Aesar's range of metals and materials products. For the complete list of products visit vwr.com/alfa-mm

VWR Cat. No.	Description	CAS#
AA00905	Bromine liquid, 99.8%	7726-95-6
AA10146	Cesium, 99.98% (metals basis)	7440-46-2
AA10953	Copper shot, 4-6mm (0.16-0.24in), Puratronic r, 99.999% (metals basis)	7440-50-8
AA10191	Germanium pieces, 3-9mm (0.1-0.4in), 99.999% (metals basis)	7440-56-4
AA11355	Gold shot, 0.8-6mm (0.03-0.2in), Premion r, 99.999% (metals basis)	7440-57-5
AA40317	Gold shot, semi-spherical, 6.35mm (0.25in) & down, Premion r, 99.999% (metals basis)	7440-57-5
AA10195	Gold wire, 0.2mm (0.008in) dia, 99.9% (metals basis)	7440-57-5
AA10966	Gold wire, 0.5mm (0.02in) dia, Premion r, 99.9985% (metals basis)	7440-57-5
AA40328	Gold wire, 14kt, red, 1.63mm (0.064in) dia, Au 58.3% min	
AA10615	Indium shot, 5mm (0.2in) & down, Puratronic r, 99.9999% (metals basis)	7440-74-6
AA10621	Iron powder, -22 mesh, Puratronic r, 99.998% (metals basis)	7439-89-6
AA10769	Lithium foil, 0.75mm (0.03in) thick x 19mm (0.75in) wide, 99.9% (metals basis)	7439-93-2
AA10788	Palladium powder, -22 mesh, Premion r, 99.995% (metals basis)	7440-05-3
AA45037	Palladium wire, 0.406mm (0.016in) dia, as drawn, 99.9% (metals basis)	7440-05-3
AA12576	Platinum 30 wt% Rhodium wire, 0.5mm (0.02in) dia, ISA Type B Standard Grade Thermocouple	
AA00262	Platinum foil, 0.025mm (0.001in) thick, 99.9% (metals basis)	7440-06-4
AA11509	Platinum foil, 0.1mm (0.004in) thick, Premion r, 99.99% (metals basis)	7440-06-4
AA10283	Platinum gauze, 52 mesh woven from 0.1mm (0.004in) dia wire, 99.9% (metals basis)	7440-06-4
AA13374	Platinum slug, 6.35mm (0.25in) dia x 12.7mm (0.50in) length, Premion r, 99.99+% (metals basis)	7440-06-4
AA45093	Platinum wire, 0.25mm (0.010in) dia, 99.9% (metals basis)	7440-06-4
AA43014	Platinum wire, 0.3mm (0.012in) dia, 99.9% (metals basis)	7440-06-4
AA43288	Platinum wire, 0.5mm (0.02in) dia, annealed, 99.95% (metals basis)	7440-06-4
AA10286	Platinum wire, 0.5mm (0.02in) dia, hard, 99.95% (metals basis)	7440-06-4
AA43276	Platinum wire, 1.0mm (0.04in) dia, annealed, 99.95% (metals basis)	7440-06-4
AA11435	Silver wire, 2.0mm (0.08in) dia, annealed, 99.9% (metals basis)	7440-22-4
AA12714	Thallium rod, 12.7mm (0.5in) dia, 99.999% (metals basis)	7440-28-0
AA13783	Vanadium foil, 0.127mm (0.005in) thick, 99.8% (metals basis)	7440-62-2
AA10835	Zinc powder, median 6-9 micron, 97.5% (metals basis)	7440-66-6
AA10760	Zinc shot, 1-6mm (0.04-0.24in), Puratronic r, 99.9999% (metals basis)	7440-66-6
AA10441	Zirconium sponge, 0.8-25.4mm (0.03-1.0in), 99.5%, Zr & Hf	7440-67-7



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