

SULFAMET

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TECHNICAL DATA SHEET CADMIUM METAL

Appearance:	Powder, Lump, Granule, Ingot
Molecular Formula :	Cd
Molecular Weight :	112.41
Melting Point :	320.9°C
Boiling Point :	765 °C(lit.)
Resisivity	7.27 $\mu\Omega$ -cm, 22°C
Energy gap	1.44 eV
Density :	8.65 g/mL at 25 °C(lit.)
CAS No. :	1306-25-8

Characteristics

In its pure form, cadmium is a silvery white, malleable metal with a bluish hue. In its powdered form it is a grayish/white color. The metal has a very low melting temperature and tarnishes in moist air. The metal is ductile and very malleable.

Applications

Cadmium could be used in different fields, according to its purity. High purity cadmium is mainly used in the production of semiconductors, high purity alloys and batteries. However, some solders, solar cells and infrared detectors also contain high purity cadmium