

Molybdenum

High Purity Metal

Characteristics

- ✓ Very high melting point
- ✓ Low coefficient of thermal expansion
- ✓ High level of thermal conductivity
- ✓ Good strength
- ✓ Good thermal
- ✓ Electrical conductivity

Quick Facts

Molecular Formula	:	Mo
Molecular Weight	:	95.94g/mol
Density	:	10.22g/cm ³
Melting Point	:	2610°C
Boiling Point	:	5560°C
Thermal Conductivity	:	.35 cal/cm(2)/cm°C/sec
Electrical Resistivity	:	5.7 microhms-cm
Thermal Expansion	:	4.9 x 10 ⁽⁻⁶⁾ /°C
Moh's Hardness	:	2.25
Specific Heat	:	.061Cal/g/K @ 25 °C

Purity : 99.9%

Molybdenum is a metallic, silvery-white element, with an atomic number of 42. Its chemical symbol is Mo, and chemically, it is a very stable, but it will react with certain acids. Molybdenum is silver white metal that is highly resistant to corrosion and ductile in nature. Its having the highest melting points of all the pure elements, only ht tungsten and tantalum having higher melting point. molybdenum possesses a very high melting point, a low coefficient of thermal expansion and a high level of thermal conductivity, it is used in many different industries.

Benefits

- ✓ Used as resistance heating elements in furnaces
- ✓ Filament supports in electric lamps
- ✓ Electrodes for mercury vapour lamps
- ✓ Used in cutting tools and to protect surfaces
- ✓ Used in steel-making additives
- ✓ Electric vacuum parts, gas pipes, lead-wire, sidebar, daily-use glass,
- ✓ Optical glass, insulation material, and glass fiber.
- ✓ Used to stretch into molybdenum wire and molybdenum electrode.



High Purity
Molybdenum
Available in:

Pieces | Rods | Shots | Chips | Pellets | Wires | Ingots | Bars | Granules



20ZICE4588C



19ZAZG01274G



20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

42
Mo
95.94

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