

Silver

High Purity Metal

Characteristics

- ✓ Corrosion-resistant
- ✓ Antimicrobial
- ✓ Non-toxic
- ✓ Good Tensile Strength
- ✓ Low toughness
- ✓ Malleability
- ✓ Good conductivity

Quick Facts

Molecular Formula	:	Ag
Molecular Weight	:	107.87 g/mol
Density	:	10.49g/cm ³
Melting Point	:	960 °C
Boiling Point	:	2212 °C
Thermal Conductivity	:	4.29W/(mK)
Electrical Resistivity	:	1.586μΩcm (at 20 °C)
Thermal Expansion	:	18.9μm/(mK) (at 25 °C)
Young's Modulus	:	83GPa
Specific Heat	:	0.0566 Cal/g/K @ 25 °C

Purity : 99.9%

Silver is a chemical element with the symbol Ag and atomic number 47. A soft, white, lustrous transition metal, it exhibits the highest electrical conductivity, thermal conductivity, and reflectivity of any metal. Silver is a soft metal. It is also a precious metal. When it is used in money or in jewellery, it is often mixed with gold or some other metal to make it harder. It is bluish-white. It reflects light very well. It is a very good conductor of electricity. It is considered a precious metal.

Benefits

- ✓ Used in electronics
- ✓ Used in solar panels
- ✓ Brazing and soldering
- ✓ Used in medicine
- ✓ Used silver engines
- ✓ High-powered explosives
- ✓ Silver iodide is used for seeding clouds to produce rain
- ✓ Silver chloride is used as cement for glasses



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Available in:

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



202ICE4588C



19ZAZG01274G



202ICE4588M

ISO 9001:2015
CERTIFIED COMPANY

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Ag
107.868

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