



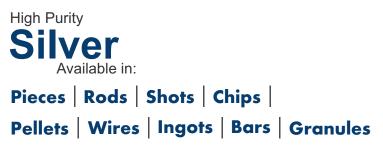
## Characteristics

- ✓ 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/cm3
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%







ISO 9001:2015 CERTIFIED COMPANY

INTELLIGENT MATERIALS PVT LTD Derabassi Punjab (140507) INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED Chapel House, Chapel St Cheshire, CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

**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
- V 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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+1 646 470 4911

**United States** 

NANOSHEL LLC

3422 Old Capitol Suit

1305 Wilmington DE - 19808



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