Silver

Ag

General information

Applications	catalysts, plugging contacts, switching contacts, conductive pastes, electrodes, IC carriers
Product Forms	ingots, wire, sheet, strip
Density, g/cm³	10.5
Melting Point, °C	961

Forming Processes

Age Hardenable	No
Material Behaviour	ductile
Forming Process	formable, machinable, can be roll clad

Chemical Properties

Corrosion Resistant

Physical properties

Conductivity, min., % IACS	95.56
Conductivity, max., % IACS	107.5
Thermal Conductivity at 20 °C, W/(m*K)	419
Temperature coefficient of resistance (0 - 100 °C) ($\times 10^{-4}$), annealed, K^{-1}	41
Young's Modulus, GPa	80
Modulus of Rigidity, GPa	26

	Annealed	Work Hardened	Property Range
Hardness, HV	35	110	35 - 110
Tensile Strength, MPa	140	380	140 - 380
Yield Strength, MPa	120	320	120 - 320
Elongation, %	37	3	3 - 37

Contact

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Looking for more data?

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