

Fine Ag

CADMIUM-FREE / RoHS

Fine Silver (99.9% Ag)

Pure silver offering the highest electrical and thermal conductivity of any contact material. Soft and easily formed, it conducts and dissipates heat exceptionally well but has lower arc-erosion and anti-weld resistance, so it is best suited to light-duty switching and as the contact face of overlay buttons.

COMPOSITION

| | |
|------------------|-------------------|
| Silver (Ag) | min. 99.9% |
| Total impurities | max. 0.1% |

FORMS SUPPLIED

Wire, Strip / sheet, Contact rivets, Overlay contact faces, Anodes (electroplating)

TYPICAL PROPERTIES

| | |
|-----------------------------|-------------------------------|
| Density | 10.49 g/cm³ |
| Electrical conductivity | ~106 %IACS |
| Thermal conductivity | ~419 W/(m·K) |
| Melting point | 961 °C |
| Hardness (annealed) | ~26 HV |
| Tensile strength (annealed) | 140–180 MPa |

TYPICAL APPLICATIONS

- Low-current, low-energy switching
- Signal and instrument relays
- Overlay contact faces (bimetal buttons)
- Silver electroplating anodes

QUALITY & STANDARDS

Supplied under IATF 16949:2016 / ISO 9001:2015 quality systems. RoHS compliant.