

AgNi

CADMIUM-FREE / RoHS

Silver Nickel

A finely and evenly distributed nickel phase gives low and stable contact resistance, good machinability and excellent resistance to material transfer. AgNi is ideal for the lower current ranges found in protective and control devices.

COMPOSITION

Silver (Ag)	balance
Nickel (Ni)	10 – 15%

AVAILABLE GRADES

AgNi 90/10, 85/15 (powder metallurgical)

FORMS SUPPLIED

Wire, Tips / tape, Contact rivets

TYPICAL APPLICATIONS

- Miniature circuit breakers (MCBs)
- Relays and auxiliary / control switches
- Low-current switching where low contact resistance matters

QUALITY & STANDARDS

Supplied under IATF 16949:2016 / ISO 9001:2015 quality systems. Cadmium-free, RoHS compliant.

TYPICAL PROPERTIES

Density	~10.0–10.2 g/cm ³
Electrical conductivity (90/10)	~87 %IACS
Hardness	~60–90 HV
Melting point (Ag matrix)	~960 °C
Ni content	10 – 15%