AgCu10

Hera 342

General information

Applications	sliding contacts, contacts
Product Forms	sheet, wire
Density, g/cm³	10.3
Melting Range, °C	779 - 875

Forming Processes

Material Behaviour	ductile
Forming Process	formable, machinable, can be roll clad

Chemical Properties

Comment	sensitive to sulphur, not oxidation resistant

Physical properties

Conductivity, min., % IACS	81.9
Conductivity, max., % IACS	86
Thermal Conductivity at 20 °C, W/(m*K)	344
Coefficient of Expansion (20 - 100 °C) (x 10^{-6}), K^{-1}	19.4
Young's Modulus, GPa	81
Modulus of Rigidity, GPa	28

	Property Range
Hardness, HV	65 - 120
Tensile Strength, MPa	250 - 550
Yield Strength, MPa	200 - 500
Elongation, %	2 - 20

Contact
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