

AgPd30Cu5

Hera 625

General information

Applications	sliding contacts, contacts
Product Forms	wire, sheet
Density, g/cm ³	10.8
Melting Range, °C	1120 - 1165

Forming Processes

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

Chemical Properties

Comment	corrosion resistant
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Physical properties

Conductivity, min., % IACS	10.96
Conductivity, max., % IACS	11.32
Coefficient of Expansion (20 - 200 °C) (x 10 ⁻⁶), K ⁻¹	15.8
Temperature coefficient of resistance (0 - 100 °C) (x 10 ⁻⁴), annealed, K ⁻¹	8.7
Young's Modulus, GPa	106
Modulus of Rigidity, GPa	39

	Annealed	Work Hardened	Property Range
Hardness, HV	70 - 120	190 - 250	70 - 250
Tensile Strength, MPa	300 - 500	650 - 800	300 - 800
Elongation, %	> 20	< 5	2 - 25

Contact

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