

PdAg38Cu15 | similar to ASTM B563

Hera 649

General information

Applications	slip rings, contacts, potentiometer wire, sliding contacts
Product Forms	wire, strip, sheet
Density, g/cm ³	10.85
Melting Range, °C	1070 - 1130

Forming Processes

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

Chemical Properties

Comment	Oxidation resistant up to 300 °C
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Physical properties

Conductivity, min., % IACS	6.2
Conductivity, max., % IACS	7
Temperature coefficient of resistance (0 - 100 °C) (x 10 ⁻⁴), annealed, K ⁻¹	3.9
Young's Modulus, GPa	106

	Annealed	Stress Relieved	Age Hardened	Property Range
Hardness, HV	180 - 220	250 - 340	320 - 390	180 - 390
Tensile Strength, MPa	580 - 680	850 - 1050	1000 - 1350	580 - 1350
Elongation, %	> 15	2 - 9	< 3	< 3

Contact

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