

PtW10

Hera 150

General information

Applications	potentiometer wire, spark plug electrodes, Resistance wire, Medical wire
Product Forms	wire, sheet
Density, g/cm ³	21.35
Melting Range, °C	1900 - 1920

Forming Processes

Age Hardenable	No
Material Behaviour	ductile
Forming Process	limited machinability, limited formability

Chemical Properties

Comment	oxidation resistant up to 1000 °C
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Physical properties

Conductivity, min., % IACS	2.12
Conductivity, max., % IACS	2.23
Coefficient of Expansion (20 - 200 °C) (x 10 ⁻⁶), K ⁻¹	8.2
Temperature coefficient of resistance (0 - 100 °C) (x 10 ⁻⁴), annealed, K ⁻¹	5.9
Young's Modulus, GPa	250
Modulus of Rigidity, GPa	89

	Property Range
Hardness, HV	300 - 400
Tensile Strength, MPa	950 - 1300
Elongation, %	2 - 20

Contact

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