

PtIr10

Hera 173

General information

Applications	thermocouples, electrodes, spark plug electrodes
Product Forms	wire, sheet
Density, g/cm ³	21.54
Melting Range, °C	1790 - 1800

Forming Processes

Age Hardenable	No
Material Behaviour	ductile

Physical properties

Conductivity, min., % IACS	6.83
Conductivity, max., % IACS	7.02
Temperature coefficient of resistance (0 - 100 °C) (x 10 ⁻⁴), annealed, K ⁻¹	12.6
Young's Modulus, GPa	202.3
Modulus of Rigidity, GPa	73.4

	Annealed	Work Hardened	Property Range
Hardness, HV	105	215	105 - 215
Tensile Strength, MPa	340	650	340 - 650
Yield Strength, MPa	220	630	220 - 630
Elongation, %	32	2	2 - 32

Contact

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