

PtAu5

General information

Applications	electrodes, crucibles, casting dishes, laboratory equipment (crucibles), semi-finished products, thermocouple thimbles
Product Forms	wire, sheet, tube
Density, g/cm ³	21.3
Melting Range, °C	1675 - 1745

Forming Processes

Age Hardenable	No
Material Behaviour	ductile
Forming Process	formable, machinable

Physical properties

Conductivity, min., % IACS	9.1
Conductivity, max., % IACS	9.4
Temperature coefficient of resistance (0 - 100 °C) (x 10 ⁻⁴), annealed, K ⁻¹	20.1
Young's Modulus, GPa	183
Modulus of Rigidity, GPa	62

	Annealed	Work Hardened
Hardness, HV	139	194
Tensile Strength, MPa	460	635
Yield Strength, MPa	370	610
Elongation, %	7	1

Contact

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