

Material Data Sheet

for: (198) - Palladium - Pd 3N5

1. Composition

Pt group-metals	99.95%
Pd	99.95%

2. Physical Properties

Melting point	1552°C
Density	12.0 g/cm ³
Young's Modulus	12 GPa
Colour	grey
Linear Coeff. of thermal expansion (25-500°C)	12.2x10 ⁻⁶ K ⁻¹
Electrical resistivity (at 20°C)	9.85 μOhmcm

3. Mechanical Properties

	soft	cold worked
	1000°C/30/H2O	50%
Hardness HV5	40	100
Tensile strength (Rm)	190 MPa	360 MPa
0.2% Proof stress (Rp 0.2%)	50 MPa	340 MPa
Elongation	30.0 %.	4 %

4. Certification

Manufacture and delivery are constantly monitored according to the quality management system standard according to ISO 9001.

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