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/cm³
   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
   Hardness HV5            1000°C/30/H2O 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.

Cendres+Métaux SA

Dr. Niklaus Baltzer
Head of Materials Development

Peter W. Fleetwood
Consultant Regulatory Affairs