Platinum-Iridium Foil/Sheet (Pt70-Ir30)

Platinum-iridium (Pt70/Ir30) foil 0.125–0.5 mm) for neurosurgical implants, HT thermocouples, aerospace sensors & high-wear electrode substrates. **SKU:** 1000119733-group
Product Code: PT05-FL-000152

Material Properties for Precious Metals

Mechanical Properties

Element	Value
Elongation at break(%)	18
Modulus of elasticity(GPa)	236
Hardness - Vickers(kgf mm?²)	280-285
Tensile strength(MPa)	980-1100

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	35
Temperature coefficient(K?¹)	0.001

Thermal Properties

Element	Value
Melting point(C)	2153
Coefficient of thermal expansion(x10?? K?¹)	8.6@20-100°C

Physical Properties

Element	Value
Density(gcm?³)	21.7