Platinum-Iridium Spooled Wire (Pt70-Ir30)

Pt70-Ir30 spooled wire (Ø 0.05-1 mm, length up to 500 m, as drawn) for high-load contacts, arc erosion electrodes & rigid neural stimulation wire. **SKU:** 1000002588-group
Product Code: PT05-WR-000140

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