

Platinum/Iridium Alloy Spooled Wire (Pt75/Ir25)

Formula: Pt75/Ir25

Product Shape: Spooled

Diameter: 0.05mm

Length: 20m

Temper: Annealed

UOM Code: 186-881-19

SKU: 1000072240-group

Product Code: PT23-WR-000120

Material Properties for Precious Metals

Mechanical Properties

Element	Value
Elongation at break(%)	20
Modulus of elasticity(GPa)	218-220
Hardness - Vickers(kgf mm ²)	230-240
Tensile strength(MPa)	860-1500

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	31-32
Temperature coefficient(K ⁻¹)	0.001

Thermal Properties

Element	Value
Melting point(C)	1820-2133

Physical Properties

Element	Value
Density(gcm ³)	21.7