

Platinum/Iridium Alloy Foil (Light Tight) (Pt70/Ir30)

Formula: Pt70/Ir30

Thickness: 0.125mm

Length 1: 25mm

Length 2: 25mm

UOM Code: 221-680-76

SKU: 1000092195-group

Product Code: PT05-FL-000150

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($\times 10^{-6}$ K ⁻¹)	8.6@20-100°C

Physical Properties

Element	Value
Density(gcm ³)	21.7