

PTFE Platinum/Iridium Alloy Insulated Wire (Pt90/Ir10)

Formula: Pt90/Ir10
Conductor Diameter: 0.025mm
Insulation: PTFE (Polytetrafluoroethylene)
Insulation Thickness: 0.005mm
Length: 20m
UOM Code: 204-461-26
SKU: 1000082697-group
Product Code: PT02-SW-000125

Material Properties for Precious Metals

Mechanical Properties

Element	Value
Hardness - Brinell	130-190
Elongation at break(%)	25
Tensile strength(MPa)	380-620

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	25
Temperature coefficient(K^{-1})	0.0013

Thermal Properties

Element	Value
Melting point(C)	1800
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	31@23
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	31@23C
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	8.7@20-100°C

Physical Properties

Element	Value
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Density(gcm³) 21.56