

Platinum/Rhodium Alloy Spooled Wire (Pt90/Rh10)

Formula: Pt90/Rh10

Product Shape: Spooled

Diameter: 0.5mm

Length: 0.1m

Thermocouple Wire: May Be Used As One Component Of A Thermocouple

Temper: Annealed

UOM Code: 025-582-57

SKU: 1000003009-group

Product Code: PT01-WR-000150

Material Properties for Precious Metals

Mechanical Properties

Element	Value
Hardness - Brinell	90-165
Elongation at break(%)	35
Tensile strength(MPa)	320-620

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	18.4-19.2
Temperature coefficient(K^{-1})	0.0017

Thermal Properties

Element	Value
Melting point(C)	1830-1855
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	38@23°C

Physical Properties

Element	Value
Density(gcm^{-3})	19.97