

Tungsten/Rhenium Alloy Spooled Wire (W 75/Re25)

Formula: W 75/Re25

Product Shape: Spooled

Diameter: 0.1mm

Length: 1m

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

Temper: Annealed

UOM Code: 007-299-52

SKU: 1000001008-group

Product Code: W-01-WR-000110

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	20
Modulus of elasticity(GPa)	370-430
Tensile strength(MPa)	1310-2100

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	29

Thermal Properties

Element	Value
Melting point(C)	3100
Coefficient of thermal expansion($\times 10^{-6} \text{ K}^{-1}$)	4.48@0-500°C

Physical Properties

Element	Value
Density(gcm^{-3})	19.7