

Tungsten/Rhenium Alloy Spooled Wire (W 97/Re 3)

Formula: W 97/Re 3

Product Shape: Spooled

Diameter: 0.01mm

Length: 5m

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

Temper: As Drawn

UOM Code: 002-160-43

SKU: 1000000292-group

Product Code: W-04-WR-000190

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	15
Tensile strength(MPa)	1180

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	9.5
Temperature coefficient(K^{-1})	-

Thermal Properties

Element	Value
Melting point(C)	3325
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	2.9@20-100°C

Physical Properties

Element	Value
Density(gcm^{-3})	19.4