

Tungsten/Rhenium Alloy Rod (W 75/Re25)

Formula: W 75/Re25

Diameter: 8mm

Length: 50mm

UOM Code: 000-919-87

SKU: 1000000134-group

Product Code: W-01-RD-000108

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