

Tantalum/Tungsten Alloy Rod (Ta97.5/W 2.5)

Formula: Ta97.5/W 2.5

Diameter: 2.5mm

Length: 100mm

Temper: As Drawn

UOM Code: 157-466-21

SKU: 1000054510-group

Product Code: TA07-RD-000110

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	20
Modulus of elasticity(GPa)	186
Hardness - Vickers(kgf mm ²)	115-160
Tensile strength(MPa)	240-310

Thermal Properties

Element	Value
Melting point(C)	3014
Specific heat(J K ⁻¹ kg ⁻¹)	141@23°C
Thermal conductivity(W m ⁻¹ K ⁻¹)	55@23°C
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	6.48@20-500°C

Physical Properties

Element	Value
Density(gcm ³)	16.66