Tantalum-Tungsten Foil/Sheet (Ta97.5-W2.5)

Tantalum tungsten alloy foil (Ta97.5/W2.5) with corrosion resistance, ductility, and thermal endurance for seals, shims, linings, and thin?film substrates under extreme conditions. **SKU:** 1000176531-group
Product Code: TA07-FL-000100

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?? K?¹)	6.48@20-500°C

Physical Properties

Element	Value
Density(gcm?³)	16.66