Titanium-Aluminum-Vanadium Rod (Ti90-Al6-V4)

Titanium aluminium vanadium alloy rod (Ti90/Al6/V4) with tensile strength, toughness, corrosion resistance, and fatigue performance for landing gear, implants, connectors, and hydraulic components. **SKU:** 1000159919-group
Product Code: TI01-RD-000165

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	>10
Modulus of elasticity(GPa)	106-114
Izod impact strength(J m?¹)	20
Tensile strength(MPa)	895

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	168
Temperature coefficient(K?¹)	0.0004

Thermal Properties

Element	Value
Melting point(C)	1600-1650
Thermal conductivity(W m?¹ K?¹)	5.8@23
Thermal conductivity(W m?¹ K?¹)	5.8@23C
Coefficient of thermal expansion(x10?? K?¹)	8@20-100
Coefficient of thermal expansion(x10?? K?¹)	8.0@20-100C

Physical Properties

Element	Value
Density(gcm?³)	4.42