

Grade 5 Titanium/Aluminum/Vanadium Alloy Rod (Ti90/Al 6/V 4)

Grade: Grade 5
Standard: ASTM B348 Chemistry only
Formula: Ti90/Al 6/V 4
Diameter: 63.5mm
Length: 300mm
UOM Code: 017-755-27
SKU: 1000002153-group
Product Code: TI01-RD-000186

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	>10
Modulus of elasticity(GPa)	106-114
Izod impact strength(J m ²)	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 ⁻⁶ K ⁻¹)	8@20-100
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	8.0@20-100C

Physical Properties

Element	Value
Density(gcm ⁻³)	4.42