Grade 5 Titanium-Aluminum-Vanadium Coil (Ti90-Al6-V4)

Grade 5 titanium alloy coil— high strength-to-weight & corrosion resistance for aerospace structures, automotive parts & biomedical implant stock. **SKU:** 1000003868-group
Product Code: TI01-FL-000101

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