

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

Grade: Grade 5
Standard: ASTM B348 Chemistry only
Formula: Ti90/Al 6/V 4
Product Shape: Spooled
Diameter: 0.5mm
Length: 10m
Temper: Annealed
UOM Code: 032-536-76
SKU: 1000004171-group
Product Code: TI01-WR-000160

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	>10
Modulus of elasticity(GPa)	106-114
Izod impact strength(J m ²¹)	20
Tensile strength(MPa)	895

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	168
Temperature coefficient(K ²¹)	0.0004

Thermal Properties

Element	Value
Melting point(C)	1600-1650
Thermal conductivity(W m ²¹ K ²¹)	5.8@23
Thermal conductivity(W m ²¹ K ²¹)	5.8@23C
Coefficient of thermal expansion(x10 ^{??} K ²¹)	8@20-100
Coefficient of thermal expansion(x10 ^{??} K ²¹)	8.0@20-100C

Physical Properties

Element	Value
Density(gcm ³)	4.42