

Titanium/Aluminum/Vanadium Alloy Foil (Ti90/Al 6/V 4)

Formula: Ti90/Al 6/V 4

Thickness: 1.2mm

Length 1: 500mm

Length 2: 500mm

UOM Code: 624-048-19

SKU: 1000197578-group

Product Code: TI01-FL-000360

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 ⁻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