

Grade 23 ELI Titanium/Aluminum/Vanadium Alloy Foil (Ti90/Al 6/V 4)

Grade: Grade 23 ELI

Formula: Ti90/Al 6/V 4

Temper: Annealed

Thickness: 0.25mm

Length 1: 10mm

Length 2: 10mm

UOM Code: 906-617-11

SKU: 1000216381-group

Product Code: TI01-FL-000201

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	>10
Modulus of elasticity(GPa)	106-114
Izod impact strength(J m ^{3/2})	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
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Density(gcm ³)	4.42
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