

Grade 9 Titanium/Aluminum/Vanadium Alloy Foil (Ti94.5/Al 3/V 2.5)

Grade: Grade 9

Standard: ASTM B265 Chemistry only

Formula: Ti94.5/Al 3/V 2.5

Temper: Annealed

Thickness: 0.03mm

Length 1: 100mm

Length 2: 100mm

UOM Code: 005-153-82

SKU: 1000000664-group

Product Code: TI04-FL-000100

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	15
Modulus of elasticity(GPa)	103.5
Tensile strength(MPa)	830

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	126

Thermal Properties

Element	Value
Melting point(C)	1700-1750
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	7.6@23°C
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	9.66@20-200°C

Physical Properties

Element	Value
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Density(gcm³) 4.45