

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

**Grade:** Grade 9

**Standard:** ASTM B265

**Formula:** Ti94.5/Al 3/V 2.5

**Temper:** Annealed

**Thickness:** 0.25mm

**Length 1:** 150mm

**Length 2:** 150mm

**UOM Code:** 260-310-02

**SKU:** 1000110794-group

**Product Code:** TI04-FL-000200

## 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( $\mu\text{Ohmcm}$ )	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( gcm<sup>3</sup> ) 4.45