

# Titanium/Aluminum/Vanadium Alloy Tube (Ti94.5/Al 3/V 2.5)

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

**Outside Diameter:** 6.35mm

**Wall Thickness:** 0.71mm

**Inside Diameter:** 4.93mm

**Length:** 10mm

**Temper:** As Drawn

**UOM Code:** 426-155-91

**SKU:** 1000169507-group

**Product Code:** TI04-TB-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( $\mu\text{Ohmcm}$ )	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
Density( $\text{gcm}^{-3}$ )	4.45