

Titanium

Aluminium I Vanadium **Rod**

Characteristics

- ✓ Very high strength
- ✓ Good corrosion resistance
- ✓ Excellent strength to weight ratio
- ✓ High strength at cryogenic temperatures
- ✓ Good weldability

Quick Facts

Molecular Formula	:	TiAlV
Density	:	4.43g/cm ³
Melting Point	:	1604°C
Thermal Conductivity	:	6.7 W/m-K
Electrical Resistivity	:	0.000178 ohm-cm
Tensile Strength	:	950-1000 MPa
Specific Heat	:	0.5263 J/g-°C

Diameter: 25mm, **Length:** 15cm

Purity : 99.9%

Titanium Aluminium Vanadium Rod

has attracted attention from the various industries due to its good mechanical properties. TiAlV alloy has been a key material in aerospace industries since it was developed in 1954. The alloy possesses a superior strength-to-weight ratio that increases the fuel efficiency of rocket and aircraft. It also exhibits excellent corrosion resistance and mechanical stability at various temperatures. The high strength, low weight ratio and outstanding corrosion resistance inherent to titanium and its alloys has led to a wide and diversified range of successful applications which demand high levels of reliable performance in surgery and medicine as well as in aerospace, automotive, chemical plant, power generation, oil and gas extraction, sports, and other major industries.

Benefits

- ✓ Biomechanical applications
- ✓ Chemical industry
- ✓ The aircraft such as turbine blades
- ✓ Ship's propellers, shafts, rigging
- ✓ Highly corrosive parts
- ✓ Electronics and optics.

High Purity

Titanium

Aluminium I Vanadium
Available in:

Pieces | Rods | Shots | Chips |
Pellets | Wires | Ingots | Bars | Granules



202ICE4589C



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CERTIFIED COMPANY



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