

TECHNICAL DATA



Titanium Alloy

P r o d u c t D e m o n s t r a t i o n



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Material Overview

Titanium Alloys are alloys based on titanium with other elements added. With the characteristics of high strength, good corrosion resistance and high heat resistance, it has been widely used in various fields.

Advantages

- High thermal strength
- Weldable Steel
- Oxidable / Electroplating

Ideal Applications

- Aerospace
- Medical
- Automotive

Technical Datasheet

General physical properties (polymer material) / part density (g/cm ³ , metal material)	
Part density	4.40 g/cm ³
Thermal properties (polymer materials) / printed state properties (XY direction, metal materials)	
tensile strength	≥1100 MPa
Yield Strength	≥950 MPa
Elongation after break	≥8%
Vickers hardness (HV5/15)	≥310
Mechanical properties (polymer materials) / heat-treated properties (XY direction, metal materials)	
tensile strength	≥960 MPa
Yield Strength	≥850 MPa
Elongation after break	≥10%
Vickers hardness (HV5/15)	≥300

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