



Titanium Alloy

Technical Data



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.

Advantage

- > High thermal strength
- > Weldable Steel
- > Oxidable/ Electroplating

Ideal Applications

- > Aerospace
- > Medical
- > Automotive

Technical Datasheet

General physical properties (polymer material) / part density (g/cm³, metal material)

Part density

4.40 g/cm³

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

Shenzhen JSADD 3D Technology Co., Ltd.

Building B, No. 148 Huanli Road, Yungu Community, Xinhua Street,
Guangming District, Shenzhen, China.

 www.jsadditive.com

 info@jsadditive.com

 @Vcauum Casting

 @JSADD 3D

 @JSADD.3D

 @jsadditive