

## Products & Sizes

### Plate

0.250" - 4.000"

### Titanium 6-6-2 Chemical Composition

	Element	Min	Max
Al	Aluminum	5.0	6.0
C	Carbon	-	0.05
V	Vanadium	5.0	6.0
N	Nitrogen	-	0.04
Sn	Tin	1.5	2.5
H	Hydrogen	-	0.015
Fe	Iron	0.35	1.0
Y	Yttrium	-	0.005
Cu	Copper	0.35	1.0
O	Oxygen	-	0.20
Ti	Titanium	-	Balance
-	Other	0.40	-

### Industry Standards

- MMS 1203
- DMS 1879

### Industry Applications

- Aircraft structural components
- Engine components
- Landing gear parts
- Heat exchangers
- Pressure valves

### Related Industries

Aerospace



Defense



## Physical Properties

Property	Value
Density	4.54 g/cm <sup>3</sup> (0.14 lb/in <sup>3</sup> )
Melting Point	~1,650°C (3,000°F)
Modulus of Elasticity	114 GPa (16.5 x 10 <sup>6</sup> psi)
Thermal Conductivity	~6.6 W/m-K

## Mechanical Properties

Property	Value
Tensile Strength	145-155 ksi
Yield Strength	135-170 ksi
Elongation Percent	6-10%