

# AMS 4901 - Titanium Grade 4 Sheet Plate

## *Typical Applications*

Cryogenic vessels

Medical and Dental devices

Food processing

Hydrometallurgy

Tubing

Aerospace components



*Titanium Grade 4 is a commercially pure form of titanium and has the highest strength of all the commercially pure titaniums.*

It has a higher strength to weight ratio than 301 stainless with excellent corrosion / erosion resistance in a wide variety of environments. Grade 4 (AMS 4901, ASTM B265, UNS R50700) can be found in aerospace, medical and industrial applications where high strength is needed.

## **Related Products**

**6246**

**6Al4V Bar**

**6Al4V Sheet**

**Grade 1 Sheet Plate**

**Grade 2 Bar**

**Grade 2 Sheet Plate**

**Grade 2 Tube Welded**

**Grade 3 Sheet Plate**

**Grade 4 Bar**

**Grade 4 Sheet Plate**

**Grade 9 Tube**

## **Technical specification**

### *Related Specifications*

**AMS 4901**

**UNS R50700**

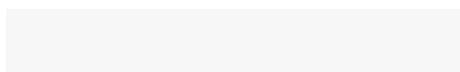
**Mil T 9046**

**ASTM B265**

### *Specific Gravity*

**4.51 g/cm<sup>3</sup>**

### *Chemical Composition (WT %)*



Min

Max

<b>C</b>	-	0.08
<b>N</b>	-	0.05
<b>O</b>	-	0.40
<b>Ti</b>	-	Bal
<b>Fe</b>	-	0.50
<b>H</b>	-	0.015
<b>Other</b>	-	0.40

*Typical Mechanical Properties in the Annealed condition*

<b>0.2% Proof Stress</b>	MPA	483
<b>Tensile Strength</b>	MPA	552
<b>Elongation</b>	%	15
<b>Reduction of Area</b>	%	25
<b>Hardness</b>	HRB	100

Note Grade 4

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Need more information? **Get in touch**

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