

# AMS 4902, Titanium Grade 2 Sheets and Plates

## *Typical Applications*

Airframe skins

Chemical Process vessels

Exhausts components

Medical and dental implants

Sputtering Targets



*Titanium Grade 2 is a commercially pure form of titanium. It is widely used because it combines excellent formability and moderate strength with superior corrosion resistance.*

This combination of properties makes Grade 2 titanium (ASTM B265, AMS 4902, UNS R50400) ideal for a large variety of chemical and marine as well as aerospace and medical applications.

## **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*

**ASTM B265**

**ASME SB-265**

**TA2**

**AMS 4902**

**UNS R50400**

**W.Nr 3.7034**

**AMS T 9046**

### *Specific Gravity*

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

### *Chemical Composition (WT %)*

	Min	Max
<b>C</b>	-	0.08
<b>N</b>	-	0.03
<b>O</b>	-	0.250
<b>Ti</b>	-	Bal
<b>Fe</b>	-	0.30
<b>H</b>	-	0.015
<b>Other</b>	-	0.40

### *Typical Mechanical Properties in the Annealed condition*

<b>0.2% Proof Stress</b>	MPA	Min	275
<b>Tensile Strength</b>	MPA	Min	345
<b>Elongation</b>	%	Min	20
<b>Reduction of Area</b>	%		30
<b>Hardness</b>	HRC		80

This data has been supplied in good faith and is intended only as a guide. It is not intended to be used as a basis for design or specification. The user is responsible for ensuring that the material is suitable for the intended application. The user is also responsible for ensuring that the material is used in accordance with the relevant standards and specifications.

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**Need more information? *Get in touch***

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