

# 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.*

his 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.

## **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/cm3**

## *Chemical Composition (WT %)*

	Min	Max
<b>C</b>	-	0.08

N	-	0.03
O	-	0.250
Ti	-	Bal
Fe	-	0.30
H	-	0.015
Other	-	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>	HRB		80

Need more information? **Get in touch**

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