

# AMS 4900, Titanium Grade 3 Sheets and Plates

## *Typical Applications*

Welded aerospace ducting

Structural aerospace components

Metal Finishing

*Titanium Grade 3 is a commercially pure form of titanium.*

It is widely used because it combines excellent formability and moderate strength (slightly higher than that of Grade 2) with superior corrosion resistance. This combination of properties makes Grade 3 titanium (ASTM B265, AMS 4900) ideal for a large variety of chemical and marine as well as aerospace and medical applications where strength is a consideration.

## **Technical specification**

### *Related Specifications*

**ASTM B265**

**ASME SB-265**

**AMS 4900**

## *Specific Gravity*

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

## *Chemical Composition (WT %)*

	Min	Max
C	-	0.08
N	-	0.05
O	-	0.35
Ti	-	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	380
<b>Tensile Strength</b>	MPA	Min	450
<b>Elongation</b>	%	Min	18
<b>Reduction of Area</b>	%		30
<b>Hardness</b>	HRB		90

Need more information? **Get in touch**

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