

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/cm3

Chemical Composition (WT %)

	Min	Max
C	-	0.08
N	-	0.05
O	-	0.35
Ti	-	Bal

Fe	-	0.30
H	-	0.015
Other	-	0.40

Typical Mechanical Properties in the Annealed condition

0.2% Proof Stress	MPA	Min	380
Tensile Strength	MPA	Min	450
Elongation	%	Min	18
Reduction of Area	%		30
Hardness	HRB		90

Need more information? **Get in touch**

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