

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.

Technical specification

Related Specifications

AMS 4901

UNS R50700

Mil T 9046

ASTM B265

Specific Gravity

4.51 g/cm³

Chemical Composition (WT %)

	Min	Max
C	-	0.08
N	-	0.05

O	-	0.40
Ti	-	Bal
Fe	-	0.50
H	-	0.015
Other	-	0.40

Typical Mechanical Properties in the Annealed Condition

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

Note Grade 4

Need more information? **Get in touch**

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