## 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 С 0.08

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0.05

N

0	-	0.40
Ti	-	Bal
Fe	-	0.50
Н	-	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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