

AMS 4901 - TITANIUM GRADE 4 SHEET PLATE

Titanium Grade 4 Sheet Plate

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.

Specific Gravity							
4.51 g/cm3							
Typical Applications				Related Specifications			
Cryogenic vessels				AMS 4901			
Medical and Dental devices				UNS R50700			
Food processing				Mil T 9046			
Hydrometallurgy				ASTM B265			
Tubing							
Aerospace components							
Chemical Composition (Wt %)							
	C	N	O	Ti	Fe	H	Other
Min	—	—	—	—	—	—	—
Max	0.08	0.05	0.40	Bal	0.50	0.015	0.4
Typical Mechanical Properties in the Annealed Condition							
0.2% Proof Stress	Tensile Strength	Elongation	Reduction of area	Hardness			
MPA	MPA	%	%	HRB			
483	552	15	25	100			
* Every effort has been made to ensure that our technical specifications are accurate. However, technical specifications included within Dynamic Metals Ltd should be used as a guideline only and are subject to change							

without notice.

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