

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/cm ³							
Typical Applications				Related Specifications			
Cryogenic vessels Medical and Dental devices Food processing Hydrometallurgy Tubing Aerospace components				AMS 4901 UNS R50700 Mil T 9046 ASTM B265			
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.

* This data has been supplied in good faith and is indicative only. It has been provided for general information purposes only and is not to be relied upon in place of the full specification. Mechanical properties can vary considerably with different supply conditions such as heat treatment or temper and product dimensions.

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