

AMS 4921, TITANIUM GRADE 4 BAR

Titanium Grade 4 is a commercially pure form of titanium and has the highest strength of all the commercially pure titaniums. It has excellent corrosion resistance in a wide variety of environments. Grade 4 (ASTM B348, AMS 4921, 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			
Aerospace Components Cryogenic vessels Hydrometallurgy Medical and Dental devices				ASTM B348 TA 7 AMS 4921 ASTM F67 UNS R50700 Mil T 9047			
Chemical Composition (Wt %)							
	C	N	O	Ti	Fe	H	Other
Min	–	–	–	–	–	–	–
Max	0.08	0.05	0.40	BAI	0.50	0.015	0.40
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		

* 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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