

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/cm3							
Typical Applications				Related Specifications			
Aerospace Components				ASTM B348			
Cryogenic vessels				TA 7			
Hydrometallurgy				AMS 4921			
Medical and Dental devices				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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