

TITANIUM GRADE 2 SHEETS AND PLATES

Titanium Grade 2 is a commercially pure form of titanium. It is widely used because it combines excellent formability and moderate strength with superior corrosion resistance. This combination of properties makes Grade 2 titanium (ASTM B265, AMS 4902, UNS R50400) ideal for a large variety of chemical and marine as well as aerospace and medical applications.

Specific Gravity							
4.51 g/cm3							
Typical Applications					Related Specifications		
Airframe skins					ASTM B265		
Chemical Process vessels					ASME SB-265		
Exhausts components					TA2		
Medical and dental implants					AMS 4902		
Sputtering Targets					UNS R50400		
					W.Nr 3.7034		
					AMS T 9046		
Chemical Composition (Wt %)							
	C	N	O	Ti	Fe	H	Other
Min	–	–	–	–	–	–	–
Max	0.08	0.03	0.250	Bal	0.30	0.015	0.40
Typical Mechanical Properties in the Annealed Condition							
0.2% Proof Stress	Tensile Strength	Elongation	Reduction of area	Hardness			
MPA	MPA	%	%	HRB			
Min	Min	Min					
275	345	20	30	80			

* 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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