

AMS 4900, TITANIUM GRADE 3 SHEETS AND PLATES

Titanium Grade 3 is a commercially pure form of titanium. It is widely used because it combines excellent formability and moderate strength (slightly higher than that of Grade 2) with superior corrosion resistance. This combination of properties makes Grade 3 titanium (ASTM B265, AMS 4900) ideal for a large variety of chemical and marine as well as aerospace and medical applications where strength is a consideration.

Specific Gravity							
4.51 g/cm ³							
Typical Applications				Related Specifications			
Welded aerospace ducting Structural aerospace components Metal Finishing				ASTM B265 ASME SB-265 AMS 4900			
Chemical Composition (Wt %)							
	C	N	O	Ti	Fe	H	Other
Min	–	–	–	–	–	–	–
Max	0.08	0.05	0.35	Bal	0.30	0.015	0.4
Mechanical Properties in the Annealed Condition							
0.2% Proof Stress	Tensile Strength	Elongation	Reduction of area	Hardness			
MPA	MPA	%	%	HRB			
Min	Min	Min					
380	450	18	30	90			

* 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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