

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/cm3							
Typical Applications					Related Specifications		
Welded aerospace ducting					ASTM B265		
Structural aerospace components					ASME SB-265		
Metal Finishing					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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