

TITANIUM 6246 - AMS 4981

Titanium 6Al-2Sn-4Zr-6Mo is a heat treatable alpha-beta alloy that combines long term elevated temperature strength with much improved short term strength properties of a solution treated and aged alpha-beta alloy.

Typical Applications					Related Specifications				
Compressor Discs and fan blades					AMS 4981				
Airframe components					AMS-T-9047				
Motor racing drivetrain components					UNS R56260				
Subsea sour service					NACE MR01-75				
Chemical Composition (Wt %)									
	Al	Sn	Zr	Mo	Fe	N	O	C	H
Min	5.5	1.75	3.5	5.5	—	—	—	—	—
Max	6.5	2.25	4.5	6.5	0.15	0.04	0.15	0.04	0.0125
Typical Mechanical Properties									
	0.2% Proof Stress		Tensile Strength		Elongation		Reduction of area		
	MPa		MPa		%		%		
Range:	1020-1150		1090-1240		13-16		37-42		
Note 1: Variations in mechanical properties are dependent on condition / heat treatment									
* Every effort has been made to ensure that our technical specifications are accurate. However, technical specifications included within Dynamic Metals Ltd should be used as a guideline only and are subject to change without notice.									

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