

## TITANIUM 6AL4V SHEETS

Titanium 6AL4V sheet is an alpha beta titanium alloy that is heat treatable to achieve moderate increases in strength. It offers a combination of lightweight, high strength, formability and corrosion resistant making 6AL4V very attractive to a number of different applications both in aerospace, sporting and medical circles.

Specific Gravity									
4.484 g/cm3									
Typical Applications					Related Specifications				
Medical Implants					AMS 2631C				
Turbine Blades					AMS 4911				
Fasteners					AMS STD 2154				
Motor Racing applications					Mil T 9046				
Aircraft Structural Components					ASTM B265				
					TA10				
					TA56				
					TA59				
					UNS R56400				
					MSRR 8633				
Chemical Composition (Wt %)									
	C	Al	N	O	Ti	V	Fe	H	Y
Min	–	5.5	–	–	–	3.50	–	–	–
Max	0.08	6.75	0.05	0.2	Bal	4.50	0.25	0.01	0.005
Typical Mechanical Properties									
0.2% Proof Stress			Tensile Strength		Elongation		Reduction of area		Hardness
MPA			MPA		%		%		HRC
Min			Min		Min		Min		

830	900	8	20	36
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\* 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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