

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 Application	ons					Relat	ed Spe	cificatio	ons
Medical Implants				AMS 2631C					
Turbine Blades				AMS 4911					
Fasteners				AMS STD 2154					
Motor Racing applications				Mil T 9046					
Aircraft Structural Components				ASTM B265					
				TA 10					
				TA 56					
					TA 59				
				UNS R56400					
					MSRR 8633				
Cho	emical C	omposi	tion (W	/t %)					
	С	AI	N	О	Ti	V	Fe	н	Y
Min	-	5.5	_	-	_	3.50	_	_	_

Typical Mechanical Properties

Max

0.08 | 6.75 | 0.05 | 0.2 | Bal | 4.50 | 0.25 | 0.01

0.005

0.2% Proof Stress	Tensile Strength	Elongation	Reduction of area	Hardness
MPA	MPA	%	%	HRC
Min	Min	Min	Min	

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830	900	8	20	36

* 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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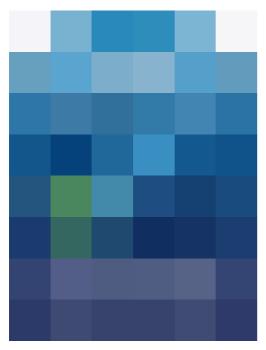
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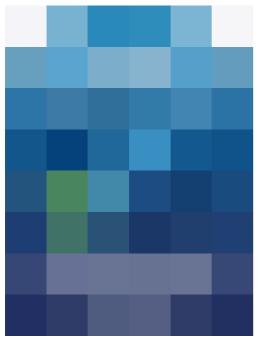
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