TIMET 8-1-1 Titanium Alloy (Ti-8Al-1Mo-1V); Annealed Sheet

Category : Metal , Nonferrous Metal , Titanium Alloy , Alpha/Near Alpha Titanium Alloy

Material Notes:

Industry Specifications: USA Aerospace: AMS 4915,4916. France: T-A8DV. Features: Designed for creep resistance up to 450°C, used primarily in engine applications such as forged compressor blades and disks. This alloy has a relatively high tensile modulus to density ratio compared to most commercial titanium alloys.Data provided by TIMET.

Order this product through the following link:
http://www.lookpolymers.com/polymer_TIMET-8-1-1-Titanium-Alloy-Ti-8Al-1Mo-1V-Annealed-Sheet.php

Physical Properties	Metric	English	Comments
Density	4.36 g/cc	0.158 lb/in³	Typical

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	1020 MPa	148000 psi	Typical
Tensile Strength, Yield	930 MPa @Strain 0.200 %	135000 psi @Strain 0.200 %	Typical
Elongation at Break	13 %	13 %	Typical
Modulus of Elasticity	125 GPa	18100 ksi	Typical
Fatigue Strength	460 MPa	66700 psi	Limit; test specifics not reported
Bend Radius, Minimum	4.5 t @Thickness 2.00 mm	4.5 t @Thickness 0.0787 in	Typical; sheet

Thermal Properties	Metric	English	Comments
Beta Transus	1040 °C	1900 °F	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	8.0 %	8.0 %	
Molybdenum, Mo	1.0 %	1.0 %	
Titanium, Ti	90 %	90 %	Calculated as remainder
Vanadium, V	1.0 %	1.0 %	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China