

TIMET TIMETAL® 17 Titanium Alloy (Ti-5Al-2Sn-4Mo-2Zr-6Mo); Aged Billet/Bar

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

Material Notes:

Features: High strength, deep hardenable forging alloy primarily for jet engines. Allows heat treatment to a variety of strength levels in sections up to 6 inches. Offers good ductility and toughness, as well as good low cycle and high cycle fatigue properties. Data provided by TIMET.

Order this product through the following link:

http://www.lookpolymers.com/polymer_TIMET-TIMETAL-17-Titanium-Alloy-Ti-5Al-2Sn-4Mo-2Zr-6Mo-Aged-BilletBar.php

Physical Properties	Metric	English	Comments
Density	4.65 g/cc	0.168 lb/in ³	Typical

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	1180 MPa	171000 psi	Typical
Tensile Strength, Yield	1100 MPa @Strain 0.200 %	160000 psi @Strain 0.200 %	Typical
Elongation at Break	10 %	10 %	Typical
Modulus of Elasticity	109 GPa	15800 ksi	Typical
Fatigue Strength	885 MPa	128000 psi	Limit; test specifics not reported

Thermal Properties	Metric	English	Comments
Beta Transus	800 °C	1470 °F	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	5.0 %	5.0 %	
Chromium, Cr	4.0 %	4.0 %	
Molybdenum, Mo	4.0 %	4.0 %	
Tin, Sn	2.0 %	2.0 %	
Titanium, Ti	83 %	83 %	Calculated as remainder
Zirconium, Zr	2.0 %	2.0 %	

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