

Arcam Ti6Al4V Titanium Alloy

Category : Metal , Nonferrous Metal , Titanium Alloy

Material Notes:

Ti6Al4V is the most widely used titanium alloy and has numerous applications in the medical industry, aerospace, automotive and marine equipment industry. Ti6Al4V ELI features Extra Low Interstitials, especially Iron and Oxygen, providing improved ductility and fracture resistance at cryogenic temperatures. Information provided by Stratasys®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arcam-Ti6Al4V-Titanium-Alloy.php

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	30 - 35	30 - 35	
Tensile Strength, Ultimate	972 - 1030 MPa	141000 - 149000 psi	Rm
Tensile Strength, Yield	910 - 958 MPa	132000 - 139000 psi	Rp 0.2
Elongation at Break	12 - 16 %	12 - 16 %	
Modulus of Elasticity	120 GPa	17400 ksi	
Fatigue Strength	600 MPa @# of Cycles ≥1.00e+7	87000 psi @# of Cycles ≥1.00e+7	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	6.0 %	6.0 %	
Carbon, C	0.0030 %	0.0030 %	
Hydrogen, H	0.0030 %	0.0030 %	
Iron, Fe	0.10 %	0.10 %	
Nitrogen, N	0.010 %	0.010 %	
Oxygen, O	0.15 %	0.15 %	
Titanium, Ti	89.734 %	89.734 %	
Vanadium, V	4.0 %	4.0 %	

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