

ATI Allvac® Grade 12 UNS R53400 Titanium Alloy

Category : Metal , Nonferrous Metal , Titanium Alloy , Unalloyed/Modified Titanium

Material Notes:

Uses: Industrial components. CPI equipment, heat exchangers, pressure vessels, fittings, tubing. Property values are for samples in the metallurgical condition: 1300°F anneal. Information provided by Allvac, An Allegheny Teledyne Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ATI-Allvac-Grade-12-UNS-R53400-Titanium-Alloy.php

Physical Properties	Metric	English	Comments
Density	4.51 g/cc	0.163 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	95	95	
Tensile Strength, Ultimate	483 MPa	70100 psi	
Tensile Strength, Yield	345 MPa @Strain 0.200 %	50000 psi @Strain 0.200 %	
Elongation at Break	20 %	20 %	
Reduction of Area	25 %	25 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.080 %	<= 0.080 %	
Hydrogen, H	<= 0.015 %	<= 0.015 %	
Iron, Fe	<= 0.30 %	<= 0.30 %	
Molybdenum, Mo	0.20 - 0.40 %	0.20 - 0.40 %	
Nickel, Ni	0.60 - 0.90 %	0.60 - 0.90 %	
Nitrogen, N	<= 0.030 %	<= 0.030 %	
Oxygen, O	<= 0.25 %	<= 0.25 %	
Titanium, Ti	99 %	99 %	as balance

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China