

**ATI Allvac® Grade 15-3-3-3 UNS R58153 Titanium Alloy**

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

**Material Notes:**

Metastable beta titanium alloy. Uses: Industrial and aerospace components, pressure vessels, fittings, tubing, fasteners. Property values are for samples in the metallurgical condition: 1600°F anneal + water quench + age. Information provided by Allvac, An Allegheny Teledyne Company.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ATI-Allvac-Grade-15-3-3-3-UNS-R58153-Titanium-Alloy.php](http://www.lookpolymers.com/polymer_ATI-Allvac-Grade-15-3-3-3-UNS-R58153-Titanium-Alloy.php)

Physical Properties	Metric	English	Comments
Density	4.76 g/cc	0.172 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	32	32	
Tensile Strength, Ultimate	1001 MPa	145200 psi	
Tensile Strength, Yield	966 MPa @Strain 0.200 %	140000 psi @Strain 0.200 %	
Elongation at Break	8.0 %	8.0 %	
Reduction of Area	10 %	10 %	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	3.0 %	3.0 %	
Carbon, C	0.020 %	0.020 %	
Chromium, Cr	3.0 %	3.0 %	
Hydrogen, H	<= 0.015 %	<= 0.015 %	
Iron, Fe	0.12 %	0.12 %	
Oxygen, O	<= 0.13 %	<= 0.13 %	
Tin, Sn	3.0 %	3.0 %	
Titanium, Ti	76 %	76 %	as balance
Vanadium, V	15 %	15 %	

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