

ATI Allegheny Ludlum Grade 16 Titanium (UNS R52402)

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

Material Notes:

Uses: CPI equipment, industrial components, condenser tubing. Mechanical property data below is typical of annealed samples at room temperature. Information provided by Allegheny Ludlum.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ATI-Allegheny-Ludlum-Grade-16-Titanium-UNS-R52402.php

Physical Properties	Metric	English	Comments
Density	4.52 g/cc	0.163 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	160	160	
Tensile Strength, Ultimate	485 MPa	70300 psi	
Tensile Strength, Yield	345 MPa @Strain 0.200 %	50000 psi @Strain 0.200 %	
Elongation at Break	27 %	27 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.10 %	<= 0.10 %	
Hydrogen, H	<= 0.015 %	<= 0.015 %	
Iron, Fe	<= 0.30 %	<= 0.30 %	
Nitrogen, N	<= 0.030 %	<= 0.030 %	
Oxygen, O	<= 0.25 %	<= 0.25 %	
Palladium, Pd	0.050 %	0.050 %	
Titanium, Ti	>= 99.3 %	>= 99.3 %	as balance

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