

ATI Allegheny Ludlum Grade 11 Titanium (UNS R52250)

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

Material Notes:

Uses: CPI equipment, industrial components, plate frame heat exchangers. 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-11-Titanium-UNS-R52250.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	120	120	
Tensile Strength, Ultimate	345 MPa	50000 psi	
Tensile Strength, Yield	221 MPa @Strain 0.200 %	32100 psi @Strain 0.200 %	
Elongation at Break	37 %	37 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.10 %	<= 0.10 %	
Hydrogen, H	<= 0.015 %	<= 0.015 %	
Iron, Fe	<= 0.20 %	<= 0.20 %	
Nitrogen, N	<= 0.030 %	<= 0.030 %	
Oxygen, O	<= 0.18 %	<= 0.18 %	
Palladium, Pd	0.20 %	0.20 %	
Titanium, Ti	>= 99.3 %	>= 99.3 %	as balance

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