

## ATI Allegheny Ludlum Grade 17 Titanium (UNS R52252)

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-17-Titanium-UNS-R52252.php](http://www.lookpolymers.com/polymer_ATI-Allegheny-Ludlum-Grade-17-Titanium-UNS-R52252.php)

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

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	120	120	
Tensile Strength, Ultimate	345 MPa	50000 psi	
Tensile Strength, Yield	206 MPa @Strain 0.200 %	29900 psi @Strain 0.200 %	
Elongation at Break	35 %	35 %	

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	0.050 %	0.050 %	
Titanium, Ti	>= 99.5 %	>= 99.5 %	as balance

## Contact Songhan Plastic Technology Co.,Ltd.

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