

## ATI Allvac® VascoMax® T-250 Specialty Steel, Heat Treatment: 816°C (1500°F) + Age

Category : Metal , Ferrous Metal , Maraging Steel

### Material Notes:

Data provided by Allvac.Applications: Missile components, tooling and other applications requiring good toughness with high strength. Jet engine shafts.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ATI-Allvac-VascoMax-T-250-Specialty-Steel-Heat-Treatment-816C-1500F-Age.php](http://www.lookpolymers.com/polymer_ATI-Allvac-VascoMax-T-250-Specialty-Steel-Heat-Treatment-816C-1500F-Age.php)

Physical Properties	Metric	English	Comments
Density	8.00 g/cc	0.289 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	422	422	Estimated from Rockwell C value for Brinell test with 3000 kg load/10 mm diameter ball
Hardness, Knoop	463	463	Estimated from Rockwell C value.
Hardness, Rockwell C	45	45	
Hardness, Vickers	442	442	Estimated from Rockwell C value.
Tensile Strength, Ultimate	1690 MPa	245000 psi	
Tensile Strength, Yield	1621 MPa @Strain 0.200 %	235100 psi @Strain 0.200 %	
Elongation at Break	12 %	12 %	
Reduction of Area	55 %	55 %	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	0.10 %	0.10 %	
Carbon, C	0.020 %	0.020 %	
Iron, Fe	77 %	77 %	as balance
Manganese, Mn	0.050 %	0.050 %	
Molybdenum, Mo	3.0 %	3.0 %	
Nickel, Ni	18.5 %	18.5 %	
Phosphorous, P	0.0050 %	0.0050 %	

Component Elements Properties	Metric	English	Comments
Sulfur, S	0.0050 %	0.0050 %	
Titanium, Ti	1.4 %	1.4 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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