

## ATI Allvac® VascoJet® 1000 Specialty Steel, Heat Treatment: 1010°C (1850°F) Q+T

Category : Metal , Ferrous Metal , Tool Steel

### Material Notes:

Data provided by Allvac.Applications: Landing gear components, springs, fasteners. Gears and shafts for helicopter applications.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ATI-Allvac-VascoJet-1000-Specialty-Steel-Heat-Treatment-1010C-1850F-QT.php](http://www.lookpolymers.com/polymer_ATI-Allvac-VascoJet-1000-Specialty-Steel-Heat-Treatment-1010C-1850F-QT.php)

Physical Properties	Metric	English	Comments
Density	7.75 g/cc	0.280 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	1524 MPa	221000 psi	
Tensile Strength, Yield	1303 MPa @Strain 0.200 %	189000 psi @Strain 0.200 %	
Elongation at Break	38 %	38 %	
Reduction of Area	11 %	11 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.40 %	0.40 %	
Chromium, Cr	5.0 %	5.0 %	
Iron, Fe	92 %	92 %	as balance
Manganese, Mn	0.30 %	0.30 %	
Molybdenum, Mo	1.3 %	1.3 %	
Silicon, Si	0.90 %	0.90 %	
Vanadium, V	0.50 %	0.50 %	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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