

ATI Allvac® VascoMax® C-300 Specialty Steel, Heat Treatment: 927°C (1700°F) + Age

Category : Metal , Ferrous Metal , Maraging Steel

Material Notes:

Data provided by Allvac.Applications: Missile components, jet engine shafts. Spring wire for valve springs in high-performance internal combustion engines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ATI-Allvac-VascoMax-C-300-Specialty-Steel-Heat-Treatment-927C-1700F-Age.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	485	485	Estimated from Rockwell C value for Brinell test with 3000 kg load/10 mm diameter ball
Hardness, Knoop	535	535	Estimated from Rockwell C value.
Hardness, Rockwell C	50	50	
Hardness, Vickers	511	511	Estimated from Rockwell C value.
Tensile Strength, Ultimate	1966 MPa	285100 psi	
Tensile Strength, Yield	1897 MPa @Strain 0.200 %	275100 psi @Strain 0.200 %	
Elongation at Break	10 %	10 %	
Reduction of Area	47 %	47 %	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	0.10 %	0.10 %	
Carbon, C	0.020 %	0.020 %	
Cobalt, Co	8.8 %	8.8 %	
Iron, Fe	67 %	67 %	as balance
Manganese, Mn	0.050 %	0.050 %	
Molybdenum, Mo	4.8 %	4.8 %	
Nickel, Ni	18.5 %	18.5 %	

Component Elements Properties	Metric	English	Comments
Silicon, Si	0.050 %	0.050 %	
Sulfur, S	0.0050 %	0.0050 %	
Titanium, Ti	0.73 %	0.73 %	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China