

ATI Allvac® Vasco® 410/403 Specialty Steel, Heat Treatment: 927°C (1700°F) Anneal

Category : Metal , Ferrous Metal , Stainless Steel , T 400 Series Stainless Steel

Material Notes:

Data provided by Allvac.Applications: Compressor blades, turbine parts.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ATI-Allvac-Vasco-410403-Specialty-Steel-Heat-Treatment-927C-1700F-Anneal.php

Physical Properties	Metric	English	Comments
Density	7.70 g/cc	0.278 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	90	90	
Tensile Strength, Ultimate	690 MPa	100000 psi	
Tensile Strength, Yield	621 MPa @Strain 0.200 %	90100 psi @Strain 0.200 %	
Elongation at Break	22 %	22 %	
Reduction of Area	65 %	65 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.15 %	0.15 %	
Chromium, Cr	12 %	12 %	
Iron, Fe	87 %	87 %	as balance
Manganese, Mn	0.50 %	0.50 %	
Phosphorous, P	0.020 %	0.020 %	
Silicon, Si	0.50 %	0.50 %	
Sulfur, S	0.010 %	0.010 %	

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