

ATI Allvac® Nickelvacc® 600 Nickel Superalloy, Heat Treatment: 927°C (1700°F) Anneal

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

Material Notes:

Data provided by Allvac.Applications: Aircraft engines, nuclear reactor applications, chemical process equipment, high temperature fixtures.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ATI-Allvac-Nickelvacc-600-Nickel-Superalloy-Heat-Treatment-927C-1700F-Anneal.php

Physical Properties	Metric	English	Comments
Density	8.41 g/cc	0.304 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	85	85	
Tensile Strength, Ultimate	690 MPa	100000 psi	
Tensile Strength, Yield	276 MPa @Strain 0.200 %	40000 psi @Strain 0.200 %	
Elongation at Break	40 %	40 %	
Reduction of Area	70 %	70 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.075 %	0.075 %	
Chromium, Cr	15.5 %	15.5 %	
Iron, Fe	8.0 %	8.0 %	
Nickel, Ni	>= 72 %	>= 72 %	as balance

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