

## ATI Allvac® Nickelvacc® H-N Nickel Superalloy, Heat Treatment: 1177°C (2150°F) Anneal

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

### Material Notes:

Data provided by Allvac.Applications: Turbine gas sealing components.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ATI-Allvac-Nickelvacc-H-N-Nickel-Superalloy-Heat-Treatment-1177C-2150F-Anneal.php](http://www.lookpolymers.com/polymer_ATI-Allvac-Nickelvacc-H-N-Nickel-Superalloy-Heat-Treatment-1177C-2150F-Anneal.php)

Physical Properties	Metric	English	Comments
Density	8.77 g/cc	0.317 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	80	80	
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	45 %	45 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.020 %	0.020 %	
Chromium, Cr	7.0 %	7.0 %	
Iron, Fe	4.0 %	4.0 %	
Molybdenum, Mo	16.5 %	16.5 %	
Nickel, Ni	72 %	72 %	as balance

## Contact Songhan Plastic Technology Co.,Ltd.

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