

## ATI Allvac® Nickelvac® H-W Nickel Superalloy, Heat Treatment: 1185°C (2165°F) Anneal

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

### Material Notes:

Data provided by Allvac.Applications: Aerospace rings, forgings, weld wire.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ATI-Allvac-Nickelvac-H-W-Nickel-Superalloy-Heat-Treatment-1185C-2165F-Anneal.php](http://www.lookpolymers.com/polymer_ATI-Allvac-Nickelvac-H-W-Nickel-Superalloy-Heat-Treatment-1185C-2165F-Anneal.php)

Physical Properties	Metric	English	Comments
Density	8.99 g/cc	0.325 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	94	94	
Tensile Strength, Ultimate	966 MPa	140000 psi	
Tensile Strength, Yield	517 MPa @Strain 0.200 %	75000 psi @Strain 0.200 %	
Elongation at Break	50 %	50 %	
Reduction of Area	50 %	50 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.020 %	0.020 %	
Chromium, Cr	5.0 %	5.0 %	
Iron, Fe	4.0 %	4.0 %	
Molybdenum, Mo	24.5 %	24.5 %	
Nickel, Ni	66 %	66 %	as balance

## Contact Songhan Plastic Technology Co.,Ltd.

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