

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

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

### Material Notes:

Data provided by Allvac.Applications: Afterburner components, combustion chamber liners, nozzles, vanes, rings, turbine exhaust weldments, structural parts.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	8.22 g/cc	0.297 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	0.10 %	0.10 %	
Chromium, Cr	21.75 %	21.75 %	
Cobalt, Co	1.5 %	1.5 %	
Iron, Fe	18.5 %	18.5 %	
Molybdenum, Mo	9.0 %	9.0 %	
Nickel, Ni	49 %	49 %	
Tungsten, W	0.60 %	0.60 %	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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