

## ATI Allvac® Nickelvac® C 22 UNS N06022 Nickel Superalloy

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

### Material Notes:

Uses: Pressure vessels, pumps, valves, HX tubing and piping for the CPI and HPI. Trays, flanges, fasteners, wire, screens. Property values are for samples in the metallurgical condition: 2050°F age. Information provided by Allvac, An Allegheny Teledyne Company.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ATI-Allvac-Nickelvac-C-22-UNS-N06022-Nickel-Superalloy.php](http://www.lookpolymers.com/polymer_ATI-Allvac-Nickelvac-C-22-UNS-N06022-Nickel-Superalloy.php)

Physical Properties	Metric	English	Comments
Density	8.02 g/cc	0.290 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	85	85	
Tensile Strength, Ultimate	793 MPa	115000 psi	
Tensile Strength, Yield	345 MPa @Strain 0.200 %	50000 psi @Strain 0.200 %	
Elongation at Break	60 %	60 %	
Reduction of Area	70 %	70 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.070 %	0.070 %	
Chromium, Cr	21.2 %	21.2 %	
Cobalt, Co	1.2 %	1.2 %	
Iron, Fe	4.0 %	4.0 %	
Manganese, Mn	0.20 %	0.20 %	
Molybdenum, Mo	13.5 %	13.5 %	
Nickel, Ni	57 %	57 %	as balance
Phosphorous, P	0.010 %	0.010 %	
Silicon, Si	0.040 %	0.040 %	
Tungsten, W	3.0 %	3.0 %	
Vanadium, V	0.17 %	0.17 %	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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