

## ATI Allvac® Nickelvacc® L-605 Cobalt-Nickel Superalloy, Heat Treatment: 1204°C (2200°F) Anneal

Category : Metal , Nonferrous Metal , Cobalt Alloy , Superalloy

### Material Notes:

Data provided by Allvac.Applications: High temperature applications, jet engine components, devices in high fatigue service.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ATI-Allvac-Nickelvacc-L-605-Cobalt-Nickel-Superalloy-Heat-Treatment-1204C-2200F-Anneal.php](http://www.lookpolymers.com/polymer_ATI-Allvac-Nickelvacc-L-605-Cobalt-Nickel-Superalloy-Heat-Treatment-1204C-2200F-Anneal.php)

Physical Properties	Metric	English	Comments
Density	9.22 g/cc	0.333 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	80	80	
Tensile Strength, Ultimate	1035 MPa	150100 psi	
Tensile Strength, Yield	414 MPa @Strain 0.200 %	60000 psi @Strain 0.200 %	
Elongation at Break	60 %	60 %	
Reduction of Area	40 %	40 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.10 %	0.10 %	
Chromium, Cr	20 %	20 %	
Cobalt, Co	53 %	53 %	
Iron, Fe	0.50 %	0.50 %	
Manganese, Mn	1.7 %	1.7 %	
Nickel, Ni	10 %	10 %	as balance
Tungsten, W	15 %	15 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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