

ATI Allvac® 330 UNS N08330 Nickel Superalloy

Category : Metal , Superalloy , Iron Base

Material Notes:

Uses: Weld wire, woven wire mesh belts, rod for heat treat baskets, heat treat fixtures. Property values are for samples in the metallurgical condition: As rolled. Information provided by Allvac, An Allegheny Teledyne Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ATI-Allvac-330-UNS-N08330-Nickel-Superalloy.php

Physical Properties	Metric	English	Comments
Density	8.00 g/cc	0.289 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	80	80	
Tensile Strength, Ultimate	586 MPa	85000 psi	
Tensile Strength, Yield	276 MPa @Strain 0.200 %	40000 psi @Strain 0.200 %	
Elongation at Break	40 %	40 %	
Reduction of Area	70 %	70 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.040 %	0.040 %	
Chromium, Cr	18.5 %	18.5 %	
Copper, Cu	0.50 %	0.50 %	
Iron, Fe	43 %	43 %	as balance
Lead, Pb	0.0010 %	0.0010 %	
Manganese, Mn	1.0 %	1.0 %	
Nickel, Ni	35.5 %	35.5 %	
Phosphorous, P	0.010 %	0.010 %	
Silicon, Si	1.13 %	1.13 %	
Sulfur, S	0.010 %	0.010 %	
Tin, Sn	0.010 %	0.010 %	

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