

ATI Allvac® Nickelvacc® 304 L UNS S30403 Specialty Steel

Category : Metal , Ferrous Metal , Stainless Steel , T 300 Series Stainless Steel

Material Notes:

Widely used stainless steel for corrosion resistant application. CPI HX and vessels, tubing, wire, medical and dental devices. Property values are for samples in the metallurgical condition: 1900°F anneal. Information provided by Allvac, An Allegheny Teledyne Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ATI-Allvac-Nickelvacc-304-L-UNS-S30403-Specialty-Steel.php

Physical Properties	Metric	English	Comments
Density	8.03 g/cc	0.290 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	80	80	
Tensile Strength, Ultimate	515 MPa	74700 psi	
Tensile Strength, Yield	205 MPa @Strain 0.200 %	29700 psi @Strain 0.200 %	
Elongation at Break	40 %	40 %	
Reduction of Area	50 %	50 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.015 %	0.015 %	
Chromium, Cr	19 %	19 %	
Iron, Fe	69 %	69 %	as balance
Manganese, Mn	1.0 %	1.0 %	
Nickel, Ni	10 %	10 %	
Phosphorous, P	0.023 %	0.023 %	
Silicon, Si	0.50 %	0.50 %	
Sulfur, S	0.015 %	0.015 %	

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