

ATI Allvac® Vasco® 317 L UNS S31703 Specialty Steel

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

Material Notes:

Uses: Turbine components, heat exchangers, pulp & paper equipment, chemical process equipment, semiconductor systems. 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-Vasco-317-L-UNS-S31703-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	85	85	
Tensile Strength, Ultimate	586 MPa	85000 psi	
Tensile Strength, Yield	241 MPa @Strain 0.200 %	35000 psi @Strain 0.200 %	
Elongation at Break	55 %	55 %	
Reduction of Area	65 %	65 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.015 %	0.015 %	
Chromium, Cr	19 %	19 %	
Iron, Fe	63 %	63 %	as balance
Manganese, Mn	1.0 %	1.0 %	
Molybdenum, Mo	3.5 %	3.5 %	
Nickel, Ni	13 %	13 %	
Phosphorous, P	0.023 %	0.023 %	
Silicon, Si	0.50 %	0.50 %	
Sulfur, S	0.015 %	0.015 %	

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