

MetalTek MTEK 317 Cast UNS J93000 Austenitic Stainless Steel

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

Material Notes:

"300" series, general corrosion resistant alloy
 Applications: Nuclear, chemical and food processing. Valve and pump trim.
 Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-317-Cast-UNS-J93000-Austenitic-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	179	179	
Tensile Strength, Ultimate	>= 515 MPa	>= 74700 psi	
Tensile Strength, Yield	>= 240 MPa	>= 34800 psi	
Elongation at Break	>= 25 %	>= 25 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.080 %	<= 0.080 %	
Chromium, Cr	18 - 21 %	18 - 21 %	
Iron, Fe	58.92 - 70 %	58.92 - 70 %	As Balance
Manganese, Mn	<= 1.5 %	<= 1.5 %	
Molybdenum, Mo	3.0 - 4.0 %	3.0 - 4.0 %	
Nickel, Ni	9.0 - 13 %	9.0 - 13 %	
Silicon, Si	<= 1.5 %	<= 1.5 %	

Descriptive Properties	Value	Comments
Heat Treatment	Sol. Anneal	

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