

MetalTek MTEK 316L Cast UNS J92800 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-316L-Cast-UNS-J92800-Austenitic-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	179	179	
Tensile Strength, Ultimate	>= 485 MPa	>= 70300 psi	
Tensile Strength, Yield	>= 205 MPa	>= 29700 psi	
Elongation at Break	>= 30 %	>= 30 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.030 %	<= 0.030 %	
Chromium, Cr	17 - 21 %	17 - 21 %	
Iron, Fe	59.97 - 72 %	59.97 - 72 %	As Balance
Manganese, Mn	<= 1.5 %	<= 1.5 %	
Molybdenum, Mo	2.0 - 3.0 %	2.0 - 3.0 %	
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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