

## MetalTek MTEK 316 Cast UNS J92900 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-316-Cast-UNS-J92900-Austenitic-Stainless-Steel.php](http://www.lookpolymers.com/polymer_MetalTek-MTEK-316-Cast-UNS-J92900-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	<= 0.080 %	<= 0.080 %	
Chromium, Cr	18 - 21 %	18 - 21 %	
Iron, Fe	60.92 - 71 %	60.92 - 71 %	As Balance
Manganese, Mn	<= 1.5 %	<= 1.5 %	
Molybdenum, Mo	2.0 - 3.0 %	2.0 - 3.0 %	
Nickel, Ni	9.0 - 12 %	9.0 - 12 %	
Silicon, Si	<= 1.5 %	<= 1.5 %	

Descriptive Properties	Value	Comments
Heat Treatment	Sol. Anneal	

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