

MetalTek MTEK CE20N Cast UNS N08007 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 Cast UNS N08007; Cast Grade CE20N; Cast ASTM A351, A451

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-CE20N-Cast-UNS-N08007-Austenitic-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	166	166	
Tensile Strength, Ultimate	>= 550 MPa	>= 79800 psi	
Tensile Strength, Yield	>= 275 MPa	>= 39900 psi	
Elongation at Break	>= 30 %	>= 30 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.20 %	<= 0.20 %	
Chromium, Cr	23 - 26 %	23 - 26 %	
Iron, Fe	59.6 - 68.92 %	59.6 - 68.92 %	As Balance
Manganese, Mn	<= 1.5 %	<= 1.5 %	
Nickel, Ni	8.0 - 11 %	8.0 - 11 %	
Nitrogen, N	0.080 - 0.20 %	0.080 - 0.20 %	
Silicon, Si	<= 1.5 %	<= 1.5 %	

Descriptive Properties	Value	Comments
Heat Treatment	Sol. Anneal	

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