

MetalTek MTEK 27-5 Cast UNS J93015 Heat Resistant Stainless Steel

Category : Metal , Ferrous Metal , Heat Resisting , Stainless Steel , Cast Stainless Steel

Material Notes:

Higher nickel yields improved strength. Resists high sulfur process gas. Applications: Pour spouts, holding pots, kiln parts, gas parts. Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-27-5-Cast-UNS-J93015-Heat-Resistant-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	192	192	
Tensile Strength, Ultimate	>= 515 MPa	>= 74700 psi	
Tensile Strength, Yield	>= 240 MPa	>= 34800 psi	
Elongation at Break	>= 8.0 %	>= 8.0 %	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	700 Â°C	1290 Â°F	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.50 %	<= 0.50 %	
Chromium, Cr	26 - 30 %	26 - 30 %	
Iron, Fe	59 - 70 %	59 - 70 %	As Balance
Manganese, Mn	<= 1.5 %	<= 1.5 %	
Nickel, Ni	4.0 - 7.0 %	4.0 - 7.0 %	
Silicon, Si	<= 2.0 %	<= 2.0 %	

Descriptive Properties	Value	Comments
Heat Treatment	Not Heat Treated	

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