

MetalTek MTEK 29-10 Cast UNS J93403 Heat Resistant Stainless Steel

Category : Metal , Ferrous Metal , Heat Resisting , Stainless Steel , Cast Stainless Steel , T 300 Series Stainless Steel

Material Notes:

Higher chrome and nickel bring greater strength and ductility. Applications: Furnace chains, ore roasting equipment. Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-29-10-Cast-UNS-J93403-Heat-Resistant-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	192	192	
Tensile Strength, Ultimate	>= 585 MPa	>= 84800 psi	
Tensile Strength, Yield	>= 270 MPa	>= 39200 psi	
Elongation at Break	>= 9.0 %	>= 9.0 %	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1095 Â°C	2003 Â°F	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.20 - 0.50 %	0.20 - 0.50 %	
Chromium, Cr	26 - 30 %	26 - 30 %	
Iron, Fe	54.5 - 65.8 %	54.5 - 65.8 %	As Balance
Manganese, Mn	<= 2.0 %	<= 2.0 %	
Nickel, Ni	8.0 - 11 %	8.0 - 11 %	
Silicon, Si	<= 2.0 %	<= 2.0 %	

Descriptive Properties	Value	Comments
Heat Treatment	Not Heat Treated	

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