

MetalTek MTEK 20-10 Cast UNS J92603 Heat Resistant Stainless Steel

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

Material Notes:

Economical heat resistant grade with sufficient chrome and nickel for good oxidation resistance. Applications: Burner tips, furnace rails, annealing boxes, trays, burnishing rolls. Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-20-10-Cast-UNS-J92603-Heat-Resistant-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	166	166	
Tensile Strength, Ultimate	>= 485 MPa	>= 70300 psi	
Tensile Strength, Yield	>= 240 MPa	>= 34800 psi	
Elongation at Break	>= 25 %	>= 25 %	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	870 Â°C	1600 Â°F	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.20 - 0.40 %	0.20 - 0.40 %	
Chromium, Cr	18 - 23 %	18 - 23 %	
Iron, Fe	60.6 - 73.8 %	60.6 - 73.8 %	As Balance
Manganese, Mn	<= 2.0 %	<= 2.0 %	
Nickel, Ni	8.0 - 12 %	8.0 - 12 %	
Silicon, Si	<= 2.0 %	<= 2.0 %	

Descriptive Properties	Value	Comments
Heat Treatment	Not Heat Treated	

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