

MetalTek MTEK 10-60 Cast UNS N08001 Heat Resistant Stainless Steel

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

Material Notes:

Not as strong as HT but high nickel content delivers excellent carburization resistance. Applications: Cyanide pots, retorts, molten lead heating elements. Information provided by MetalTek Cast UNS N08001; Cast Grade HW; Cast ASTM A297

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-10-60-Cast-UNS-N08001-Heat-Resistant-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 415 MPa	>= 60200 psi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1120 Â°C	2050 Â°F	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.35 - 0.75 %	0.35 - 0.75 %	
Chromium, Cr	10 - 14 %	10 - 14 %	
Iron, Fe	18.75 - 31.65 %	18.75 - 31.65 %	As Balance
Manganese, Mn	<= 2.0 %	<= 2.0 %	
Nickel, Ni	58 - 62 %	58 - 62 %	
Silicon, Si	<= 2.5 %	<= 2.5 %	

Descriptive Properties	Value	Comments
Heat Treatment	Not Heat Treated	

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