

MetalTek MTEK 25-12 TYPE I Cast UNS J93303 Heat Resistant Stainless Steel

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

Material Notes:

Very sensitive to composition balance. Suitable for a wide range of high temperature applications. Applications: Rable arms, radiant tubes, refractory support hardware, grate bars. Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-25-12-TYPE-I-Cast-UNS-J93303-Heat-Resistant-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 550 MPa	>= 79800 psi	
Elongation at Break	>= 9.0 %	>= 9.0 %	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	980 Å°C	1800 Å°F	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.20 - 0.45 %	0.20 - 0.45 %	
Chromium, Cr	23 - 28 %	23 - 28 %	
Iron, Fe	53.1 - 66.8 %	53.1 - 66.8 %	As Balance
Manganese, Mn	<= 2.5 %	<= 2.5 %	
Nickel, Ni	10 - 14 %	10 - 14 %	
Nitrogen, N	<= 0.20 %	<= 0.20 %	
Silicon, Si	<= 1.75 %	<= 1.75 %	

Descriptive Properties	Value	Comments
Heat Treatment	Not Heat Treated	

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