

MetalTek MTEK HK40 Cast UNS J94204 Heat Resistant Stainless Steel

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

Material Notes:

Increased strength for more highly stressed applications. Good resistance to oxidizing or reducing process flow. Applications: Calcining tubes, pier caps, high temperature fixtures and hardware. Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-HK40-Cast-UNS-J94204-Heat-Resistant-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	170	170	
Tensile Strength, Ultimate	>= 430 MPa	>= 62400 psi	
Tensile Strength, Yield	>= 240 MPa	>= 34800 psi	
Elongation at Break	>= 10 %	>= 10 %	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1025 Â°C	1877 Â°F	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.35 - 0.45 %	0.35 - 0.45 %	
Chromium, Cr	23 - 27 %	23 - 27 %	
Iron, Fe	47.3 - 57.65 %	47.3 - 57.65 %	As Balance
Manganese, Mn	<= 1.5 %	<= 1.5 %	
Nickel, Ni	19 - 22 %	19 - 22 %	
Silicon, Si	<= 1.75 %	<= 1.75 %	

Descriptive Properties	Value	Comments
Heat Treatment	Not Heat Treated	

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