

MetalTek MTEK 35-15 Cast UNS N08605 Heat Resistant Stainless Steel

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

Material Notes:

Good strength at heat treating temperatures. Resists thermal shock of repeated heating and cooling. Applications: Dampers, pots, blades, rolls, door frames, retorts, rolling mill guides. Information provided by MetalTek Cast UNS N08605; Cast Grade HT; Cast ASTM A297, A351, A608; Wrought UNS N83300; Wrought Grade 330

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-35-15-Cast-UNS-N08605-Heat-Resistant-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	179	179	
Tensile Strength, Ultimate	>= 450 MPa	>= 65300 psi	
Tensile Strength, Yield	>= 235 MPa	>= 34100 psi	
Elongation at Break	>= 4.0 %	>= 4.0 %	

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

Component Elements Properties	Metric	English	Comments
Carbon, C	0.35 - 0.75 %	0.35 - 0.75 %	
Chromium, Cr	15 - 19 %	15 - 19 %	
Iron, Fe	38.75 - 51.65 %	38.75 - 51.65 %	As Balance
Manganese, Mn	<= 2.0 %	<= 2.0 %	
Nickel, Ni	33 - 37 %	33 - 37 %	
Silicon, Si	<= 2.5 %	<= 2.5 %	

Descriptive Properties	Value	Comments
Heat Treatment	Not Heat Treated	

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