

MetalTek MTEK 420 Cast UNS J91153 Martensitic Stainless Steel

Category : Metal , Ferrous Metal , Martensitic , Stainless Steel , Cast Stainless Steel , T 400 Series Stainless Steel

Material Notes:

Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-420-Cast-UNS-J91153-Martensitic-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	<= 240	<= 240	
Tensile Strength, Ultimate	>= 690 MPa	>= 100000 psi	
Tensile Strength, Yield	>= 485 MPa	>= 70300 psi	
Elongation at Break	>= 15 %	>= 15 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.20 - 0.40 %	0.20 - 0.40 %	
Chromium, Cr	11.5 - 14 %	11.5 - 14 %	
Iron, Fe	82.1 - 88.3 %	82.1 - 88.3 %	As Balance
Manganese, Mn	<= 1.0 %	<= 1.0 %	
Nickel, Ni	<= 1.0 %	<= 1.0 %	
Silicon, Si	<= 1.5 %	<= 1.5 %	

Descriptive Properties	Value	Comments
Heat Treatment	Anneal/Hard & Temper	

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