

MetalTek MTEK 222-01 Cast UNS J82090 Martensitic Stainless Steel

Category : Metal , Ferrous Metal , Martensitic , Stainless Steel , Cast Stainless Steel

Material Notes:

Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-222-01-Cast-UNS-J82090-Martensitic-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 620 MPa	>= 89900 psi	
Tensile Strength, Yield	>= 415 MPa	>= 60200 psi	
Elongation at Break	>= 18 %	>= 18 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.20 %	<= 0.20 %	
Chromium, Cr	8.0 - 10 %	8.0 - 10 %	
Copper, Cu	<= 0.50 %	<= 0.50 %	
Iron, Fe	85.85 - 90.75 %	85.85 - 90.75 %	As Balance
Manganese, Mn	0.35 - 0.65 %	0.35 - 0.65 %	
Molybdenum, Mo	0.90 - 1.2 %	0.90 - 1.2 %	
Nickel, Ni	<= 0.50 %	<= 0.50 %	
Silicon, Si	<= 1.0 %	<= 1.0 %	
Tungsten, W	<= 0.10 %	<= 0.10 %	

Descriptive Properties	Value	Comments
Heat Treatment	Normalize & Temper	

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