

MetalTek MTEK 223-01 Cast UNS J84090 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-223-01-Cast-UNS-J84090-Martensitic-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 585 MPa	>= 84800 psi	
Tensile Strength, Yield	>= 415 MPa	>= 60200 psi	
Elongation at Break	>= 18 %	>= 18 %	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	<= 0.040 %	<= 0.040 %	
Carbon, C	0.080 - 0.12 %	0.080 - 0.12 %	
Chromium, Cr	8.0 - 9.5 %	8.0 - 9.5 %	
Iron, Fe	87.37 - 89.9 %	87.37 - 89.9 %	As Balance
Manganese, Mn	0.30 - 0.60 %	0.30 - 0.60 %	
Molybdenum, Mo	0.85 - 1.05 %	0.85 - 1.05 %	
Nickel, Ni	0.40 %	0.40 %	
Niobium, Nb (Columbium, Cb)	0.060 - 0.10 %	0.060 - 0.10 %	
Nitrogen, N	0.030 - 0.070 %	0.030 - 0.070 %	
Silicon, Si	0.20 - 0.50 %	0.20 - 0.50 %	
Vanadium, V	0.18 - 0.25 %	0.18 - 0.25 %	

Descriptive Properties	Value	Comments
Heat Treatment	Normalize & Temper	

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