

MetalTek MTEK CA20NW Cast UNS J91631 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-CA20NW-Cast-UNS-J91631-Martensitic-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	302 - 352	302 - 352	
Tensile Strength, Ultimate	>= 1000 MPa	>= 145000 psi	
Tensile Strength, Yield	>= 790 MPa	>= 115000 psi	
Elongation at Break	>= 10 %	>= 10 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.15 - 0.20 %	0.15 - 0.20 %	
Chromium, Cr	12 - 14 %	12 - 14 %	
Iron, Fe	77.6 - 83.55 %	77.6 - 83.55 %	As Balance
Manganese, Mn	<= 1.0 %	<= 1.0 %	
Molybdenum, Mo	<= 0.50 %	<= 0.50 %	
Nickel, Ni	1.8 - 2.2 %	1.8 - 2.2 %	
Silicon, Si	<= 1.0 %	<= 1.0 %	
Tungsten, W	2.5 - 3.5 %	2.5 - 3.5 %	

Descriptive Properties	Value	Comments
Heat Treatment	Anneal/Hard & Temper	

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