

MetalTek MTEK ALLOY X Cast UNS N06002 Severe Corrosion and Heat Resistant Alloy

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

Material Notes:

Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-ALLOY-X-Cast-UNS-N06002-Severe-Corrosion-and-Heat-Resistant-Alloy.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	170	170	
Tensile Strength, Ultimate	>= 380 MPa	>= 55100 psi	
Tensile Strength, Yield	>= 240 MPa	>= 34800 psi	
Elongation at Break	>= 8.0 %	>= 8.0 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.10 %	<= 0.10 %	
Chromium, Cr	20.5 - 23 %	20.5 - 23 %	
Cobalt, Co	0.50 - 2.5 %	0.50 - 2.5 %	
Iron, Fe	17 - 20 %	17 - 20 %	
Manganese, Mn	<= 1.0 %	<= 1.0 %	
Molybdenum, Mo	8.0 - 10 %	8.0 - 10 %	
Nickel, Ni	41.4 - 53.8 %	41.4 - 53.8 %	As Balance
Silicon, Si	<= 1.0 %	<= 1.0 %	
Tungsten, W	0.20 - 1.0 %	0.20 - 1.0 %	

Descriptive Properties	Value	Comments
Heat Treatment	Sol. Anneal	

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