

MetalTek MTEK N-12MV Cast UNS N30012 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-N-12MV-Cast-UNS-N30012-Severe-Corrosion-and-Heat-Resistant-Alloy.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	95	95	
Tensile Strength, Ultimate	>= 525 MPa	>= 76100 psi	
Tensile Strength, Yield	>= 275 MPa	>= 39900 psi	
Elongation at Break	>= 6.0 %	>= 6.0 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.12 %	<= 0.12 %	
Chromium, Cr	1.0 %	1.0 %	
Iron, Fe	4.0 - 6.0 %	4.0 - 6.0 %	
Manganese, Mn	<= 1.0 %	<= 1.0 %	
Molybdenum, Mo	26 - 30 %	26 - 30 %	
Nickel, Ni	60.28 - 68.8 %	60.28 - 68.8 %	As Balance
Silicon, Si	<= 1.0 %	<= 1.0 %	
Vanadium, V	0.20 - 0.60 %	0.20 - 0.60 %	

Descriptive Properties	Value	Comments
Heat Treatment	Sol. Anneal	

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