

MetalTek MTEK B Cast UNS N24030 Nickel-Copper Alloy

Category : Metal , Nonferrous Metal , Nickel Alloy

Material Notes:

Family of alloys for extreme heat and corrosion services. Applications: Gas Turbine parts. Chemical process equipment, heat treating equipment. Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-B-Cast-UNS-N24030-Nickel-Copper-Alloy.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	263	263	
Tensile Strength, Ultimate	>= 690 MPa	>= 100000 psi	
Tensile Strength, Yield	>= 415 MPa	>= 60200 psi	
Elongation at Break	>= 10 %	>= 10 %	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	<= 0.50 %	<= 0.50 %	
Carbon, C	<= 0.10 %	<= 0.10 %	
Copper, Cu	27 - 33 %	27 - 33 %	
Iron, Fe	<= 3.5 %	<= 3.5 %	
Manganese, Mn	<= 1.5 %	<= 1.5 %	
Nickel, Ni	61 - 68 %	61 - 68 %	
Silicon, Si	2.7 - 3.7 %	2.7 - 3.7 %	

Descriptive Properties	Value	Comments
Heat Treatment	Not Heat Treated	

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