

MetalTek MTEK 825 Cast UNS N08826 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-825-Cast-UNS-N08826-Severe-Corrosion-and-Heat-Resistant-Alloy.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 515 MPa	>= 74700 psi	
Tensile Strength, Yield	>= 340 MPa	>= 49300 psi	
Elongation at Break	>= 20 %	>= 20 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.050 %	<= 0.050 %	
Chromium, Cr	19.5 - 23.5 %	19.5 - 23.5 %	
Copper, Cu	1.5 - 3.5 %	1.5 - 3.5 %	
Manganese, Mn	<= 1.0 %	<= 1.0 %	
Molybdenum, Mo	2.5 - 3.5 %	2.5 - 3.5 %	
Nickel, Ni	38 - 44 %	38 - 44 %	
Niobium, Nb (Columbium, Cb)	0.60 - 1.2 %	0.60 - 1.2 %	
Silicon, Si	<= 1.0 %	<= 1.0 %	

Descriptive Properties	Value	Comments
Heat Treatment	Sol. Anneal	

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