

MetalTek Nitronic® 60 Cast UNS J92972 Austenitic Stainless Steel

Category : Metal , Ferrous Metal , Austenitic , Stainless Steel , Cast Stainless Steel

Material Notes:

Wear and galling resistance. Produced under license of ARMCO Advanced Materials Corp. Applications: Pump wear rings, valve trim. Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-Nitronic-60-Cast-UNS-J92972-Austenitic-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	200	200	
Tensile Strength, Ultimate	>= 585 MPa	>= 84800 psi	
Tensile Strength, Yield	>= 290 MPa	>= 42100 psi	
Elongation at Break	>= 30 %	>= 30 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.10 %	<= 0.10 %	
Chromium, Cr	16 - 18 %	16 - 18 %	
Iron, Fe	59.22 - 65.42 %	59.22 - 65.42 %	As Balance
Manganese, Mn	7.0 - 9.0 %	7.0 - 9.0 %	
Nickel, Ni	8.0 - 9.0 %	8.0 - 9.0 %	
Nitrogen, N	0.080 - 0.18 %	0.080 - 0.18 %	
Silicon, Si	3.5 - 4.5 %	3.5 - 4.5 %	

Descriptive Properties	Value	Comments
Heat Treatment	Sol. Anneal	

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