

MetalTek Nitronic® 40 Austenitic Stainless Steel

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

Material Notes:

Produced under license of ARMCO Advanced Materials Corp. Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-Nitronic-40-Austenitic-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	185	185	
Tensile Strength, Ultimate	>= 620 MPa	>= 89900 psi	
Tensile Strength, Yield	>= 330 MPa	>= 47900 psi	
Elongation at Break	>= 35 %	>= 35 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.080 %	<= 0.080 %	
Chromium, Cr	19 - 21.5 %	19 - 21.5 %	
Iron, Fe	59.52 - 67.35 %	59.52 - 67.35 %	As Balance
Manganese, Mn	8.0 - 10 %	8.0 - 10 %	
Nickel, Ni	5.5 - 7.5 %	5.5 - 7.5 %	
Nitrogen, N	0.15 - 0.40 %	0.15 - 0.40 %	
Silicon, Si	<= 1.0 %	<= 1.0 %	

Descriptive Properties	Value	Comments
Heat Treatment	Sol. Anneal	

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