

MetalTek GTD 222Â® Centri-Vac Nickel Cobalt Based 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-GTD-222-Centri-Vac-Nickel-Cobalt-Based-Alloy.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 965 MPa	>= 140000 psi	
Tensile Strength, Yield	>= 725 MPa	>= 105000 psi	
Elongation at Break	>= 8.0 %	>= 8.0 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.080 - 0.12 %	0.080 - 0.12 %	
Chromium, Cr	22.2 - 22.8 %	22.2 - 22.8 %	
Cobalt, Co	18.5 - 19.5 %	18.5 - 19.5 %	
Manganese, Mn	<= 0.10 %	<= 0.10 %	
Nickel, Ni	55.03 - 57.42 %	55.03 - 57.42 %	As Balance
Silicon, Si	<= 0.25 %	<= 0.25 %	
Tungsten, W	1.8 - 2.2 %	1.8 - 2.2 %	

Descriptive Properties	Value	Comments
Heat Treatment	Sol. Anneal & Age	

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