

MetalTek RENEÂ® 220 Centri-Vac Nickel Cobalt Based Alloy

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

Material Notes:

Information provided by MetalTekWrought Grade RENEÂ® 220

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-RENE-220-Centri-Vac-Nickel-Cobalt-Based-Alloy.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 1105 MPa	>= 160300 psi	
Tensile Strength, Yield	>= 830 MPa	>= 120000 psi	
Elongation at Break	>= 6.0 %	>= 6.0 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.020 - 0.040 %	0.020 - 0.040 %	
Chromium, Cr	18 - 22 %	18 - 22 %	
Cobalt, Co	11 - 13 %	11 - 13 %	
Molybdenum, Mo	3.0 - 3.4 %	3.0 - 3.4 %	
Nickel, Ni	51.46 - 59.08 %	51.46 - 59.08 %	As Balance
Niobium, Nb (Columbium, Cb)	5.0 - 5.5 %	5.0 - 5.5 %	
Tantalum, Ta	3.0 - 3.5 %	3.0 - 3.5 %	
Titanium, Ti	0.90 - 1.1 %	0.90 - 1.1 %	

Descriptive Properties	Value	Comments
Heat Treatment	Sol. Anneal & Age	

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