

MetalTek RENEÂ® 77 Centri-Vac Nickel Cobalt Based Alloy

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

Material Notes:

Information provided by MetalTekWrought Grade RENEÂ® 77

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-RENE-77-Centri-Vac-Nickel-Cobalt-Based-Alloy.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 860 MPa	>= 125000 psi	
Tensile Strength, Yield	>= 760 MPa	>= 110000 psi	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	4.0 - 4.6 %	4.0 - 4.6 %	
Carbon, C	0.050 - 0.090 %	0.050 - 0.090 %	
Chromium, Cr	14 - 15.25 %	14 - 15.25 %	
Cobalt, Co	14.25 - 15.75 %	14.25 - 15.75 %	
Molybdenum, Mo	3.9 - 4.5 %	3.9 - 4.5 %	
Nickel, Ni	56.11 - 60.8 %	56.11 - 60.8 %	As Balance
Titanium, Ti	3.0 - 3.7 %	3.0 - 3.7 %	

Descriptive Properties	Value	Comments
Heat Treatment	Sol. Anneal & Age	

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