

MetalTek MAR-M-509® Centri-Vac Nickel Cobalt Based Alloy

Category : Metal , Nonferrous Metal , Cobalt Alloy , Superalloy

Material Notes:

Information provided by MetalTek

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MAR-M-509-Centri-Vac-Nickel-Cobalt-Based-Alloy.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 725 MPa	>= 105000 psi	
Tensile Strength, Yield	>= 450 MPa	>= 65300 psi	
Elongation at Break	>= 3.0 %	>= 3.0 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.55 - 0.65 %	0.55 - 0.65 %	
Chromium, Cr	22.5 - 24.35 %	22.5 - 24.35 %	
Cobalt, Co	52.5 - 58.45 %	52.5 - 58.45 %	As Balance
Nickel, Ni	9.0 - 11 %	9.0 - 11 %	
Tantalum, Ta	3.0 - 4.0 %	3.0 - 4.0 %	
Tungsten, W	6.5 - 7.5 %	6.5 - 7.5 %	

Descriptive Properties	Value	Comments
Heat Treatment	Not Heat Treated	

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