

## MetalTek INÂ® 909 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-IN-909-Centri-Vac-Nickel-Cobalt-Based-Alloy.php](http://www.lookpolymers.com/polymer_MetalTek-IN-909-Centri-Vac-Nickel-Cobalt-Based-Alloy.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 1205 MPa	>= 174800 psi	
Tensile Strength, Yield	>= 965 MPa	>= 140000 psi	
Elongation at Break	>= 8.0 %	>= 8.0 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.060 %	<= 0.060 %	
Cobalt, Co	12 - 16 %	12 - 16 %	
Iron, Fe	36.44 - 47.4 %	36.44 - 47.4 %	
Nickel, Ni	35 - 40 %	35 - 40 %	
Niobium, Nb (Columbium, Cb)	4.3 - 5.2 %	4.3 - 5.2 %	
Silicon, Si	0.25 - 0.50 %	0.25 - 0.50 %	
Titanium, Ti	1.3 - 1.8 %	1.3 - 1.8 %	

Descriptive Properties	Value	Comments
Heat Treatment	Sol. Anneal & Age	

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