

Special Metals Electroformed Nickel, 13 Micron (0.5 mil) Foil, Electroformed and Annealed

Category : Metal , Nonferrous Metal , Nickel Alloy , Pure Element

Material Notes:

Data provided by the manufacturer, Special Metals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Special-Metals-Electroformed-Nickel-13-Micron-05-mil-Foil-Electroformed-and-Annealed.php

Physical Properties	Metric	English	Comments
Density	8.91 g/cc	0.322 lb/in ³	
Thickness	12.7 microns	0.500 mil	

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	60	60	200 g load
Tensile Strength, Ultimate	290 MPa	42000 psi	Transverse
	300 MPa	43500 psi	Longitudinal
Elongation at Break	6.0 %	6.0 %	Longitudinal
	6.0 %	6.0 %	Transverse

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.010 %	<= 0.010 %	
Chromium, Cr	<= 0.010 %	<= 0.010 %	
Cobalt, Co	<= 0.010 %	<= 0.010 %	
Copper, Cu	<= 0.010 %	<= 0.010 %	
Iron, Fe	<= 0.010 %	<= 0.010 %	
Nickel, Ni	>= 99.95 %	>= 99.95 %	
Sulfur, S	<= 0.0020 %	<= 0.0020 %	
Zinc, Zn	<= 0.0010 %	<= 0.0010 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000800 ohm-cm	0.00000800 ohm-cm	

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