

Goodfellow Evanohm® Precision Resistance Nickel Alloy

Category : Metal , Electronic/Magnetic Alloy , Nonferrous Metal , Nickel Alloy

Material Notes:

Electrical resistance alloy with a very low temperature coefficient of resistivity Information provided by Goodfellow.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Goodfellow-Evanohm-Precision-Resistance-Nickel-Alloy.php

Physical Properties	Metric	English	Comments
Density	8.10 g/cc	0.293 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	1210 MPa	175000 psi	
Elongation at Break	<= 33 %	<= 33 %	
Tensile Modulus	221 GPa	32100 ksi	
Izod Impact, Unnotched	0.420 - 1.00 J/cm	0.787 - 1.87 ft-lb/in	Notch Status Unknown

Thermal Properties	Metric	English	Comments
CTE, linear	11.7 µm/m-°C @Temperature 20.0 - 100 °C	6.50 µin/in-°F @Temperature 68.0 - 212 °F	
Thermal Conductivity	14.6 W/m-K	101 BTU-in/hr-ft ² -°F	
Melting Point	1340 - 1390 °C	2440 - 2530 °F	
Solidus	1340 °C	2440 °F	
Liquidus	1390 °C	2530 °F	
Maximum Service Temperature, Air	300 °C	572 °F	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	2.5 %	2.5 %	
Chromium, Cr	20 %	20 %	
Copper, Cu	2.5 %	2.5 %	
Nickel, Ni	75 %	75 %	

Electrical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Electrical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China