

California Fine Wire Nickel Alloy 99

Category : Metal , Nonferrous Metal , Nickel Alloy

Material Notes:

All values may vary dependent on specific design and usage Capabilities: WireRibbonSquareInsulatedPlated Information provided by California Fine Wire.

Order this product through the following link:

http://www.lookpolymers.com/polymer_California-Fine-Wire-Nickel-Alloy-99.php

Physical Properties	Metric	English	Comments
Density	8.89 g/cc	0.321 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	345 MPa	50000 psi	Annealed
	621 MPa	90000 psi	Stress relieved
	758 MPa	110000 psi	Hard

Thermal Properties	Metric	English	Comments
CTE, linear	15.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	8.33 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Specific Heat Capacity	0.544 J/g·°C	0.130 BTU/lb·°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	185 W/m-K	1280 BTU-in/hr-ft ² -°F	
Melting Point	1450 °C	2642 °F	
Maximum Service Temperature, Air	593 °C	1100 °F	Operating Temperature

Component Elements Properties	Metric	English	Comments
Nickel, Ni	99.8 %	99.8 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000798 ohm-cm	0.00000798 ohm-cm	3% tolerance on sizes below 0.02, 5% tolerance on sizes above 0.02

Descriptive Properties	Value	Comments
Magnetic	Strong	

Temperature Coefficient of Resistance Descriptive Properties	0.006 ohms/ohm-°C Value	0-100°C 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