

California Fine Wire Alloy 411 Precious Metal Alloy

Category : Metal , Nonferrous Metal

Material Notes:

All values may vary dependent on specific design and usageProprietary compositionCapabilities:

WireRibbonSquareInsulatedPlatedInformation provided by California Fine Wire.

Order this product through the following link:

http://www.lookpolymers.com/polymer_California-Fine-Wire-Alloy-411-Precious-Metal-Alloy.php

Physical Properties	Metric	English	Comments
Density	10.9 g/cc	0.393 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	407 MPa	59000 psi	Stress relieved
	493 MPa	71500 psi	Hard
Modulus of Elasticity	32.5 GPa	4710 ksi	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000615 ohm-cm	0.00000615 ohm-cm	3% tolerance on sizes below 0.02, 5% tolerance on sizes above 0.02

Descriptive Properties	Value	Comments
Magnetic	None	
Temperature Coefficient of Resistance	0.0008 ohms/ohm-°C	0-100°C
Thermal EMF vs. Copper	-0.0019	

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