

California Fine Wire Alloy 406 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-406-Precious-Metal-Alloy.php

Physical Properties	Metric	English	Comments
Density	10.9 g/cc	0.395 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	524 MPa	76000 psi	Stress relieved
	586 MPa	85000 psi	Hard
Modulus of Elasticity	47.0 GPa	6820 ksi	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000125 ohm-cm	0.0000125 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	0.0004 ohms/ohm-°C	0-100°C
Thermal EMF vs. Copper	-0.055 mV	

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