

California Fine Wire Alloy 422 Precious Metal Alloy

Category : Metal , Nonferrous Metal , Precious 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-422-Precious-Metal-Alloy.php

Physical Properties	Metric	English	Comments
Density	19.3 g/cc	0.698 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	1450 MPa	210000 psi	Stress relieved
	1520 MPa	220000 psi	Hard
Modulus of Elasticity	221 GPa	32000 ksi	

Thermal Properties	Metric	English	Comments
Melting Point	1880 °C	3416 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000299 ohm-cm	0.0000299 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	0.0007 ohms/ohm-°C	0-100°C
Thermal EMF vs. Copper	-0.0024	

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