

## California Fine Wire Alloy 417 Precious Metal Alloy

Category : Metal , Nonferrous Metal , Precious Metal

**Material Notes:**

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_California-Fine-Wire-Alloy-417-Precious-Metal-Alloy.php](http://www.lookpolymers.com/polymer_California-Fine-Wire-Alloy-417-Precious-Metal-Alloy.php)

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

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	1450 MPa	210000 psi	Stress relieved
	1520 MPa	220000 psi	Hard

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000948 ohm-cm	0.00000948 ohm-cm	3% tolerance on sizes below 0.02, 5% tolerance on sizes above 0.02

Descriptive Properties	Value	Comments
Temperature Coefficient of Resistance	0.0007 ohms/ohm-°C	0-100°C
Thermal EMF vs. Copper	-0.0024	

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