

## California Fine Wire Alloy 446 Precious Metal Alloy

Category : Metal , Nonferrous 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-446-Precious-Metal-Alloy.php](http://www.lookpolymers.com/polymer_California-Fine-Wire-Alloy-446-Precious-Metal-Alloy.php)

Physical Properties	Metric	English	Comments
Density	11.8 g/cc	0.426 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	1140 MPa	165000 psi	Stress relieved
	1240 MPa	180000 psi	Hard
Modulus of Elasticity	117 GPa	17000 ksi	

Thermal Properties	Metric	English	Comments
Melting Point	1870 °C	3398 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000316 ohm-cm	0.0000316 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	0.0003 ohms/ohm-°C	0-100°C
Thermal EMF vs. Copper	-0.174 mV	

## Contact Songhan Plastic Technology Co.,Ltd.

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