

California Fine Wire Alloy 486 Precious Metal Alloy

Category : Metal , Nonferrous Metal

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_California-Fine-Wire-Alloy-486-Precious-Metal-Alloy.php

Physical Properties	Metric	English	Comments
Density	11.9 g/cc	0.430 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	1450 MPa	210000 psi	Stress relieved
	1550 MPa	225000 psi	Hard
Modulus of Elasticity	96.5 GPa	14000 ksi	

Thermal Properties	Metric	English	Comments
Melting Point	1700 °C	3092 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.000101 ohm-cm	0.000101 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	0.0001 ohms/ohm-°C	0-100°C
Thermal EMF vs. Copper	+0.0028 mV	

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