

California Fine Wire Alloy 436L Precious Metal Alloy

Category : Metal , Nonferrous Metal , Precious 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-436L-Precious-Metal-Alloy.php

Physical Properties	Metric	English	Comments
Density	22.2 g/cc	0.802 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	1290 MPa	187000 psi	Stress relieved
	1380 MPa	200000 psi	Hard
Modulus of Elasticity	138 GPa	20000 ksi	

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

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000665 ohm-cm	0.0000665 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	0.00021 ohms/ohm-°C	0-100°C
Thermal EMF vs. Copper	+0.007 mV	

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