

California Fine Wire Copper Clad 1006 Steel (40% Conductivity)

Category : Metal , Nonferrous Metal

Material Notes:

All values may vary dependent on specific design and usage 1006 steel core, 99.99% copper clad

Capabilities:
Wire Ribbon Square Insulated Plated
Information provided by California Fine Wire.

Order this product through the following link:

http://www.lookpolymers.com/polymer_California-Fine-Wire-Copper-Clad-1006-Steel-40-Conductivity.php

Physical Properties	Metric	English	Comments
Density	8.22 g/cc	0.297 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	414 MPa	60000 psi	Annealed
	552 MPa	80000 psi	Stress relieved
	621 MPa	90000 psi	Hard
Tensile Strength, Yield	310 MPa	45000 psi	Annealed
	379 MPa	55000 psi	Stress relieved
	448 MPa	65000 psi	Hard

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	300 °C	572 °F	Operating Temperature

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000431 ohm-cm	0.00000431 ohm-cm	3% tolerance on sizes below 0.02, 5% tolerance on sizes above 0.02

Descriptive Properties	Value	Comments
Magnetic	Strong	

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