

P & P Technology BeCu alloy 25 (CA172) Contact Finger Strips

Category : Metal , Nonferrous Metal , Beryllium Alloy , Copper Alloy

Material Notes:

The CFS range of contact finger strips are available in Beryllium Copper, Phosphor Bronze and Stainless Steel. Many plating options are also available. Contact finger strips are used to close the aperture between two surfaces and provide high EMI shielding effectiveness. The strips are very versatile in applications where low closure force is required such as enclosures. Material Specification: (Beryllium Copper) BeCu alloy 25(CA172) is used for maximum spring, strength and fatigue resistance. Information provided by P & P Technology

Order this product through the following link:

http://www.lookpolymers.com/polymer_P-P-Technology-BeCu-alloy-25-CA172-Contact-Finger-Strips.php

Mechanical Properties	Metric	English	Comments
Tensile Strength	175 - 185 MPa	25400 - 26800 psi	Heat Treated
Modulus of Elasticity	185 GPa	26800 ksi	Heat Treated

Component Elements Properties	Metric	English	Comments
Beryllium, Be	1.8 - 2.0 %	1.8 - 2.0 %	
Co + Ni	>= 0.20 %	>= 0.20 %	
Co + Ni + Fe	>= 0.60 %	>= 0.60 %	
Copper, Cu	97.2 %	97.2 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.00000769 - 0.0000080 ohm-cm	0.00000769 - 0.0000080 ohm-cm	Heat Treated
Shielding Effectiveness	>= 110 dB	>= 110 dB	H-Field
	@Frequency 100000 Hz	@Frequency 100000 Hz	
Shielding Effectiveness	>= 110 dB	>= 110 dB	E-Field
	@Frequency 1.00e+7 Hz	@Frequency 1.00e+7 Hz	
Shielding Effectiveness	>= 110 dB	>= 110 dB	P-Field
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	

Descriptive Properties	Value	Comments
Temper	1000 psi	Heat Treated

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