

Rogers Corporation Bisco® EC-2130 Conductive Silicone

Category : Polymer , Thermoset , Silicone

Material Notes:

Base Polymer: Silicone Filler: Nickel-Graphite Applications: Silicone EMI Shields Thickness: 0.063 inches and 0.125 inches Information provided by Rogers Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Rogers-Corporation-Bisco-EC-2130-Conductive-Silicone.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.97 g/cc	1.97 g/cc	
Thickness	1600 - 3180 microns	63.0 - 125 mil	Range of Thicknesses Available

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30	30	ASTM D2240
Hardness, Shore OO	80	80	ASTM D2240
Tensile Strength	>= 0.345 MPa	>= 50.0 psi	ASTM D142
Elongation at Break	<= 50 %	<= 50 %	ASTM D412
Compression Set	5.0 %	5.0 %	% of thickness; ASTM D3574
	@Temperature 70.0 °C	@Temperature 158 °F	
	7.0 %	7.0 %	% of thickness; ASTM D395 Method B
	@Temperature 100 °C	@Temperature 212 °F	
	17 %	17 %	% of deflection; ASTM D3574
	@Temperature 70.0 °C	@Temperature 158 °F	
	25 %	25 %	% of deflection; ASTM D395 Method B
	@Temperature 100 °C	@Temperature 212 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.30 ohm-cm	0.30 ohm-cm	Rogers Corp. Internal
Shielding Effectiveness	85 dB	85 dB	MIL G83528
	@Thickness 1.60 mm, Frequency 1.00e+10 Hz	@Thickness 0.0630 in, Frequency 1.00e+10 Hz	
	100 dB	100 dB	MIL G83528
	@Thickness 1.60 mm, Frequency 1.00e+8 Hz	@Thickness 0.0630 in, Frequency 1.00e+8 Hz	

Electrical Properties	Metric 100 dB	English 100 dB	Comments
	@Thickness 1.60 mm, Frequency 5.00e+8 Hz	@Thickness 0.0630 in, Frequency 5.00e+8 Hz	MIL G83528
	110 dB	110 dB	
	@Thickness 1.60 mm, Frequency 1.00e+9 Hz	@Thickness 0.0630 in, Frequency 1.00e+9 Hz	MIL G83528

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