

## Product Data Sheet

# BISCO® EC-2130

BISCO® EC-2130 is a soft electrically conductive silicone solid material, used as an EMI/RFI absorber for critical electrical components. It creates an environmental seal due to the extra soft polymer combination with the highly conductive filler.

### Features & Benefits:

- Extremely soft which means great sealing
- Highly filled creating an electrical path
- High shielding effectiveness which means your design will not have interference when in operation

PROPERTY	TEST METHOD	TYPICAL VALUE
<b>PHYSICAL</b>		
Filler	---	Nickel-Graphite
Base Polymer	---	Silicone
Thickness, mm (inches)	---	1.6 (0.063) ± 0.15 (0.006) 3.2 (0.125) ± 0.20 (0.008)
Hardness, Shore A	ASTM D2240	30 ± 5 points
Shore OO		80 ± 10 points
Tensile Strength, kPa (psi)	ASTM D412	414 (60)
Elongation, %	ASTM D412	50
Compression Set, 70°C (158°F) for 70 Hours 25% Compressed	ASTM D395 Method B	10% max
Thermal Conductivity, W/mK	ASTM E1530	3.33

PROPERTY	TEST METHOD	TYPICAL VALUE
<b>FLAMMABILITY &amp; SHIELDING</b>		
Flame Resistance, mm (inches)	UL 94	V1 for 3.2 (0.125) Thickness
Volume Resistivity, Ohm-cm	Rogers Internal Method	< 1.00
Shielding Effectiveness, dB Mil G83528	100 MHz	110
	600 MHz	120
	1 GHz	130
	10 MHz	130
Temperature Range	---	-62°C (-79.6°F) - +200°C (392°F)

#### Notes:

- All metric conversions are approximate
- Additional technical information is available
- Other thicknesses can be produced between the range stated for each product type; minimum order quantities apply
- Typical values are a representation of an average value for the population; for specific values, contact Rogers Corporation

To order BISCO materials, please contact our Sales Specialists at 860.928.3622 or via email at [EMS\\_CT\\_cust\\_serv@rogerscorporation.com](mailto:EMS_CT_cust_serv@rogerscorporation.com)