

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
PHYSICAL		
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 Shore OO	ASTM D2240	30 ± 5 points 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
FLAMMABILITY		
Flame Resistance, mm (inches)	UL 94	V1 for 3.2 (0.125) Thickness
Volume Resistivity, Ohm-cm	Rogers Internal Method	< 1.00
Temperature Range	---	-62°C (-79.6°F) - +200°C (392°F)

	Frequency	Thickness*	
		0.063"	0.125"
Shielding Effectiveness, dB Mil G83528	100 MHz	105	103
	600 MHz	108	110
	1 GHz	108	107
	10 MHz	103	101

*Based on qualification testing from January 11, 2024.

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

For more information and to request a sample, please contact our team of experts at solutions@rogerscorp.com