

BISCO® EC-2130

DATA SHEET

PROPERTY	TEST METHOD	BISCO® EC-2130
PHYSICAL		
FILLER		Nickel-Graphite
BASE POLYMER		Silicone
THICKNESS		0.063" – 0.125" (1.60mm – 3.20mm)
HARDNESS, Shore A Shore OO	ASTM D 2240	30+/-5 points
		80+/-10 points
TENSILE STRENGTH, PSI	ASTM D 412	60
ELONGATION, %	ASTM D 412	50
COMPRESSION SET, 70C for 70 hours, 25% compressed	ASTM D 395 (Method B)	10% max
THERMAL CONDUCTIVITY, W/mK	ASTM E 1530	3.33
FLAMMABILITY & SHIELDING		
FLAME RESISTANCE	UL94	-
	HBF	1.60mm
	HBF/V-1	3.20mm
VOLUME RESISTIVITY, Ohm-cm	ROGERS Corporation Internal method	<1.00
SHIELDING EFFECTIVENESS, dB Mil G83528	100 MHz	110
	600 MHz	120
	1 GHz	130
	10 MGHz	130
THICKNESS TOLERANCE	0.063" (1.60mm)	+/-0.006" (0.15mm)
	0.125" (3.20mm)	+/-0.008" (0.20mm)
TEMPERATURE RANGE		-62°C – +200°C

Notes:

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