

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.



WWW.ROGERSCORP.COM

ROGERS CORPORATION-HIGH PERFORMANCE FOAMS DIVISION US 800.935.2940 | Europe +32.9.235.36.11 | Asia +86.512.6258.2700

The information contained in this Data Sheet is intended to assist you in designing with Rogers' High Performance BISCO Silicone foam materials. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown on the Data Sheet will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers' High Performance BISCO Silicone foam materials for each application. The Rogers logo, The world runs better with Rogers and BISCO are licensed trademarks of Rogers Corporation. ©2002-4, 2006, 2007, 2013 Rogers Corporation, All rights reserved. Printed in U.S.A. 1113-PDF. Publication # 180-034