

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.



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