

Tflex RB300 Series Thermal Gap Filler



PRODUCT DESCRIPTION

Tflex™ RB300 is an exceptionally soft gap filler pad with a thermal conductivity of 1.2 W/mK. Tflex RB300 is specially formulation to minimize the amount of silicone oil bleed in sensitive applications.

Tflex™ RB300, in achieving its stellar compliancy, does not sacrifice thermal performance. With a thermal conductivity of 1.2 W/mK, low thermal resistances can be achieved at low pressures.

Tflex™ RB300 is naturally tacky and requires no additional adhesive coating that can inhibit thermal performance.

FEATURES AND BENEFITS

- Extreme compliancy allows material to "totally blanket" components
- Thermal conductivity of 1.2 W/mK
- Minimal silicone oil bleed
- Environmentally friendly solution that meets RoHS and REACH requirements

SPECIFICATIONS

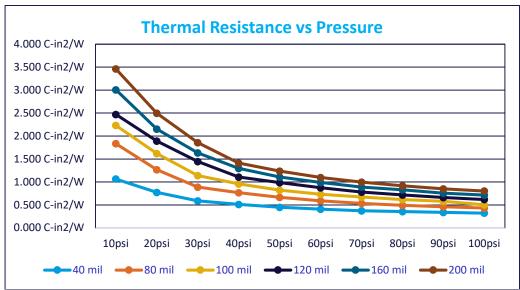
| VALUE | TEST METHOD |
|-------------------------------------|--|
| Ceramic filled silicone sheet | N/A |
| Grey | Visual |
| 0.5 mm (0.020") - 5.08mm (0.20") | N/A |
| 1.2 | Hot Disk |
| 1.78 | Helium |
| | Pycnometer |
| 27 | ASTM D2240 |
| 0.22 | ASTM E595 |
| 0.05 | ASTM E595 |
| -25°C to 200°C | N/A |
| 1 .14 °C–in2/W | ASTM D5470 |
| | (modified) |
| V-0 | UL 94 |
| 10^14 ohm-cm | ASTM D257 |
| | Ceramic filled silicone sheet Grey 0.5 mm (0.020") - 5.08mm (0.20") 1.2 1.78 27 0.22 0.05 -25°C to 200°C 1 .14 °C-in2/W V-0 |

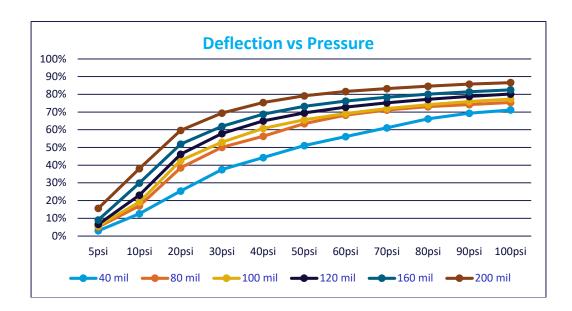
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Tflex RB300 Series

Thermal Gap Filler





AVAILABILITY

STANDARD THICKNESSES

- 0.5mm (0.020") to 5.0mm (0.200") thick material available in 0.25mm (0.010") increments
- Available in standard sheet sizes of 18" x 18" and 9" x 9" or custom die cut parts

PART NUMBER SYSTEM

Tflex™ indicates Laird elastomeric thermal gap filler product line. RB3xxx indicates Tflex RB300 product line with thickness in mils (0.001")

EXAMPLES:

• Tflex™ RB340 = 0.040 inch thick Tflex™ RB300 material

A18156-00 Tflex RB300 DS 081621

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