

## PRODUCT DESCRIPTION

Tflex™ RB300 is an exceptionally soft gap filler pad with a thermal conductivity of 1.2 W/mK. Tflex RB300 is specially formulated 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.

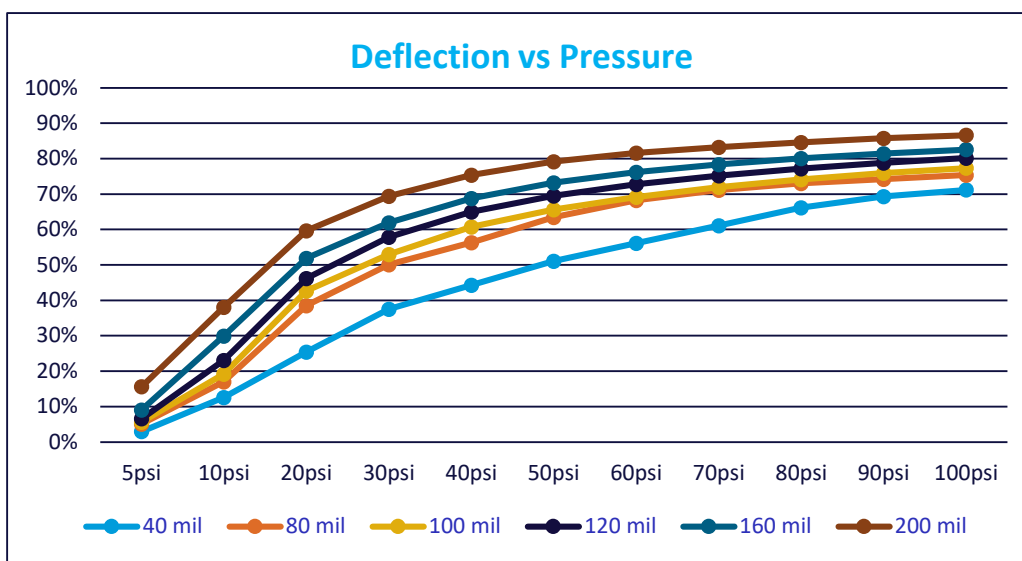
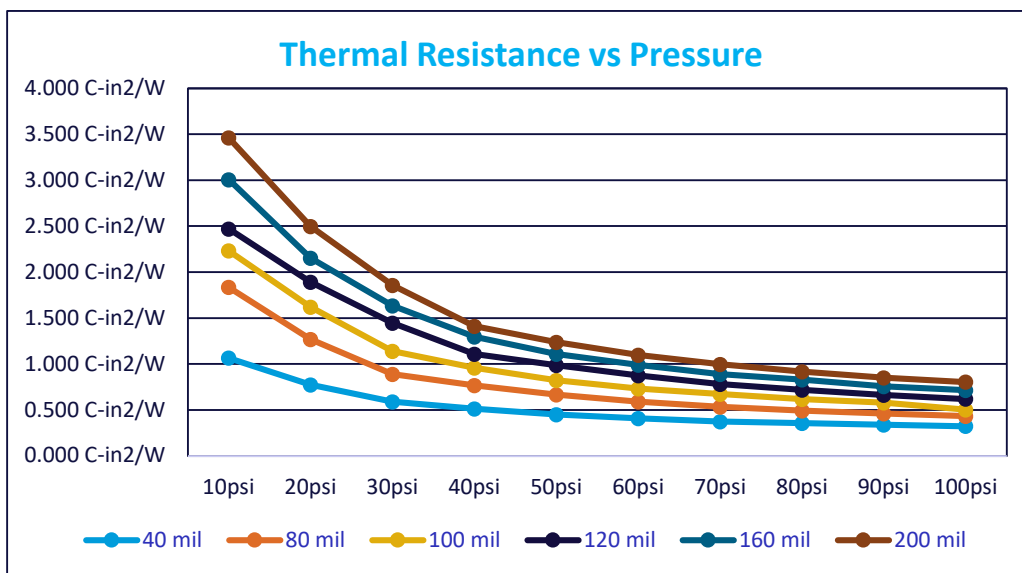
Tflex™ RB300 is naturally tacky and requires no additional adhesive coating that can inhibit thermal performance.

## 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

| TYPICAL PROPERTIES          | VALUE                            | TEST METHOD           |
|-----------------------------|----------------------------------|-----------------------|
| Construction & Composition  | Ceramic filled silicone sheet    | N/A                   |
| Color                       | Grey                             | Visual                |
| Thickness Range             | 0.5 mm (0.020”) - 5.08mm (0.20”) | N/A                   |
| Thermal Conductivity (W/mK) | 1.2                              | Hot Disk              |
| Density (g/cc)              | 1.78                             | Helium Pycnometer     |
| Hardness (Shore 00)         | 27                               | ASTM D2240            |
| Outgassing TML (weight %)   | 0.22                             | ASTM E595             |
| Outgassing CVCM (weight %)  | 0.05                             | ASTM E595             |
| Temperature Range           | -25°C to 200°C                   | N/A                   |
| Rth@ 40 mils, 10 psi, 50°C  | 1 .14 °C–in <sup>2</sup> /W      | ASTM D5470 (modified) |
| UL Flammability Rating      | V-0                              | UL 94                 |
| Volume Resistivity          | 10 <sup>14</sup> ohm-cm          | ASTM D257             |



## 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

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