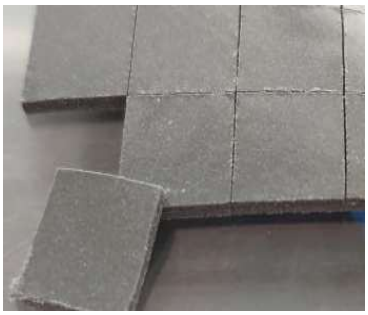
Tflex RB300 Series
Thermal Gap Filler



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

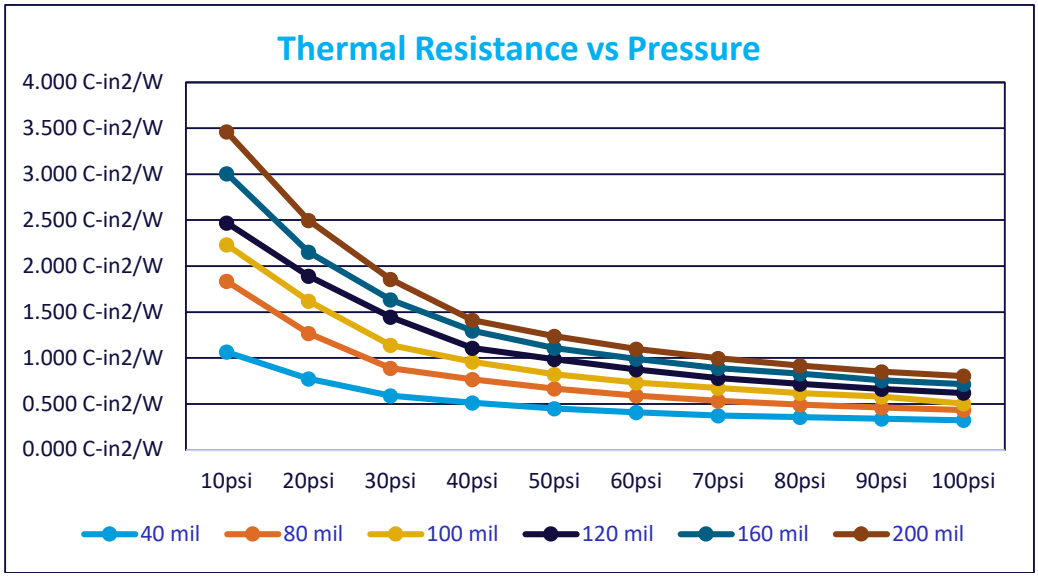
TYPICAL PROPERTIES	VALUE	TEST METHOD
Construction & Composition	Ceramic filled silicone sheet	N/A
Color	Grey	Visual
Thickness Range	0.5 mm (0.020”) - 5.08mm (0.20”)	N/A
Thermal Conductivity (W/mK)	1.2	Hot Disk
Density (g/cc)	1.78	Helium Pycnometer
Hardness (Shore 00)	27	ASTM D2240
Outgassing TML (weight %)	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^{0}C	1 .14 ^{0}C–in2/W	ASTM D5470 (modified)
UL Flammability Rating	V-0	UL 94
Volume Resistivity	10^14 ohm-cm	ASTM D257

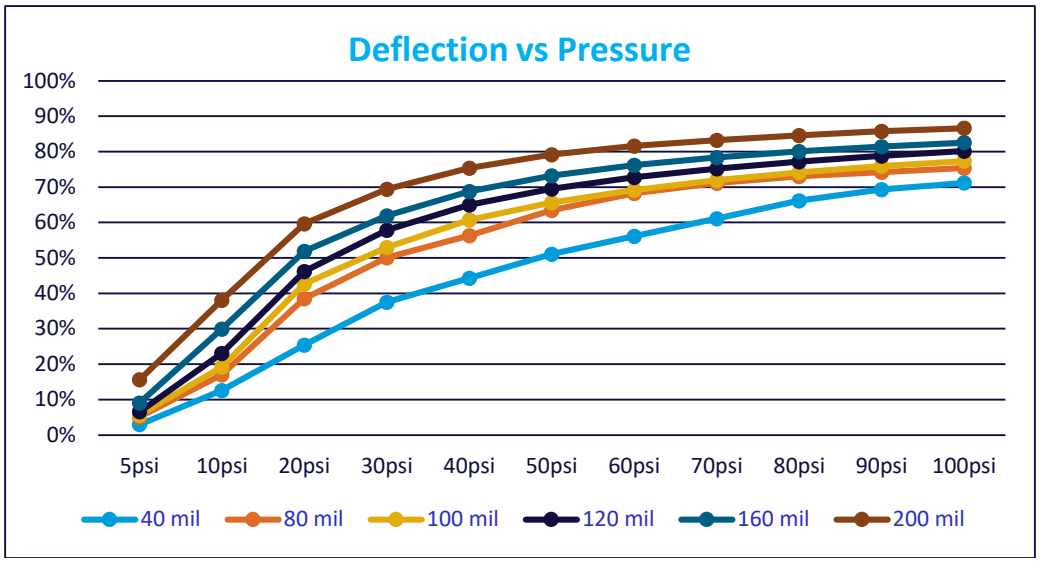
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AVAILABILITY

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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