Tflex™ B200 Series
Thermal Gap Filler

PRODUCT DESCRIPTION

Tflex B200 is a reliable, compliant thermal interface material offering good thermal performance and easier handling and features a range of multiple surface and enforcement options for a variety of applications. This gap filler's low modulus interface and softness relieves mechanical stress and reduces thermal resistance.

Tflex B200 helps absorb shock, resulting in improved device reliability over the long term. It has high dielectric insulation which works to protect against dielectric breakdown in or between devices. Tflex B200 as a standard product is naturally tacky on both sides and requires no additional adhesive coating to inhibit thermal performance.

Tflex B200MFG, an option featuring fiberglass in the middle, has strong tensile and both sides exhibit tackiness properties. This helps prevent deforming during manual or automated assembly.

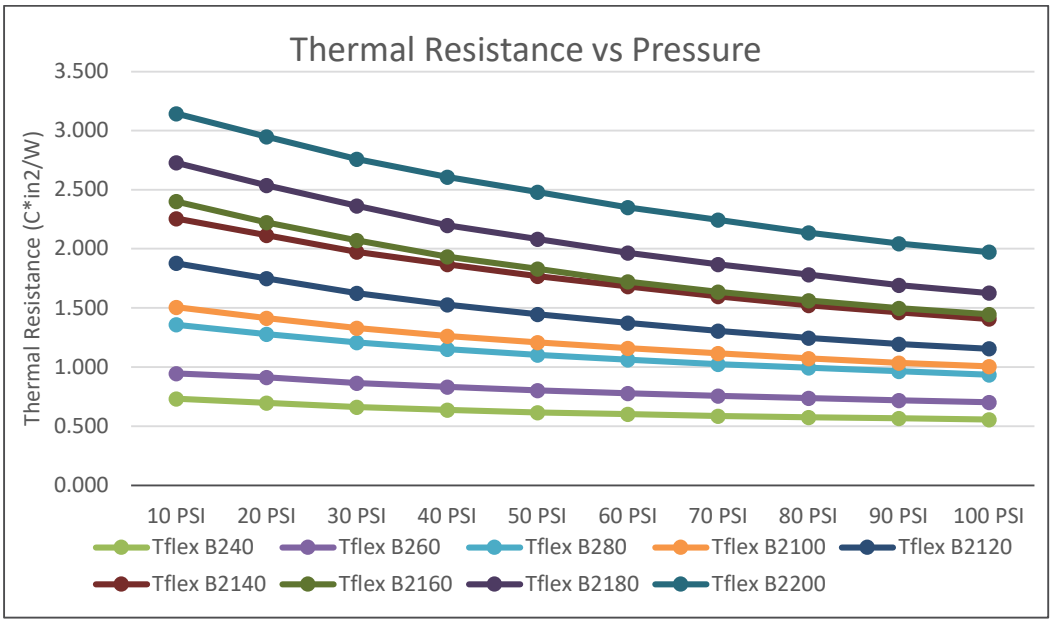
Tflex B200FG, has fiberglass enforcement located near one side. It offers a higher deflection than the B200MFG option, and provides protection close to one side.

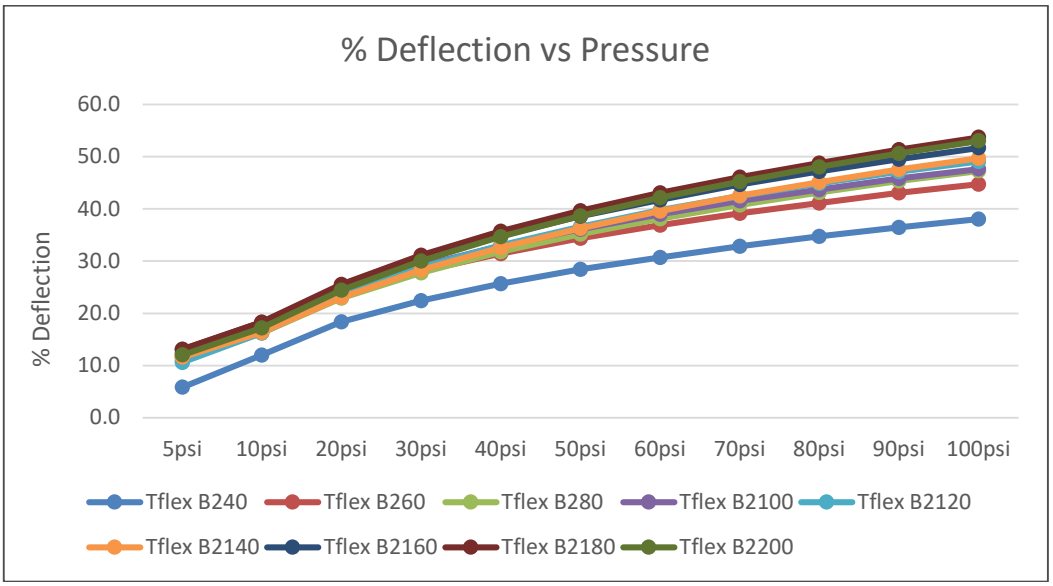
FEATURES AND BENEFITS

- Thermal Conductivity of 2W/m.K
- Compliant to application surfaces, long term reliability
- Shock resistance in automotive applications
- Fiberglass enforcement, protection against breakthrough or deforming
- Protection with high DBV

TYPICAL PROPERTIES

PROPERTIES	TYPICAL VALUE	TEST METHOD
Construction & Composition	Ceramic filled silicone sheet	N/A
Color	Grey	Visual
Thickness Range	1mm – 5mm	N/A
Thermal Conductivity	2.0 W/mk	ASTM D5470
Density	2.2 g/cc	Helium Pycnometer
Thermal Resistance (1.0mm) @ 10 psi, 50 ^{0}C	1.10 Cin2/W	ASTM D5470
Temperature Range	-40^{0}C to 150^{0}C	Laird Test Method
Outgassing TML (%)	0.32	ASTM E595
Hardness Shore 00 (3 second)	42	ASTM D2240
Volume Resistivity (Ω cm)	2 x 10^13	ASTM D257
UL Flammability Rating	V-0	UL 94





AVAILABILITY

- 1.00 mm (0.040”) to 5.0 mm (0.200”) thick material available in 0.25mm (0.010”) increments
- Available in standard sheet sizes of 18” x 18”, 9” x 9” or custom converted die cut parts
- MFG: Fiberglass layer added in the middle, FG: Fiberglass added to one side

PART NUMBER SYSTEM

TflexTM indicates Laird elastomeric thermal gap filler product line. B2xxx indicates TflexTM B200 product line with thickness in mils

EXAMPLES: TflexTM B240 = 1000 microns / 0.040” thick material