

Tflex 600 Series Thermal Gap Filler



*Ready for 5G

Product Description

TflexTM 600 is an exceptionally soft, highly compliant gap filling interface pad with a thermal conductivity of 3 W/mK. These outstanding properties are the result of a proprietary boron nitride filler in the composition.

The high conductivity, in combination with extreme softness produces incredibly low thermal resistances.

Tflex 600 is naturally tacky and requires no additional adhesive coating that can inhibit thermal performance. Tflex 600 is electrically insulating, stable from –45°C to 200°C and meets UL 94 VO rating.

FEATURES AND BENEFITS

- Very high compliancy for low stress applications
- 3 W/mK thermal conductivity
- Available in thicknesses from 0.020" 0.200" (0.5mm 5.0mm)
- Naturally tacky, needs no further adhesive coating

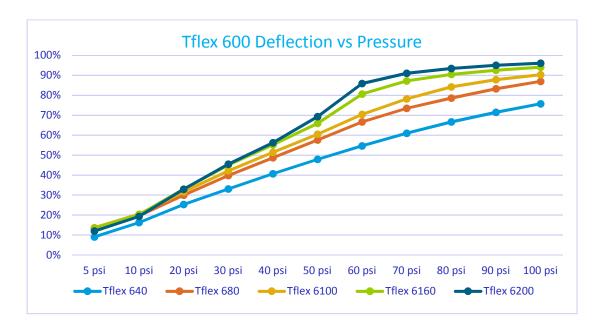
SPECIFICATIONS

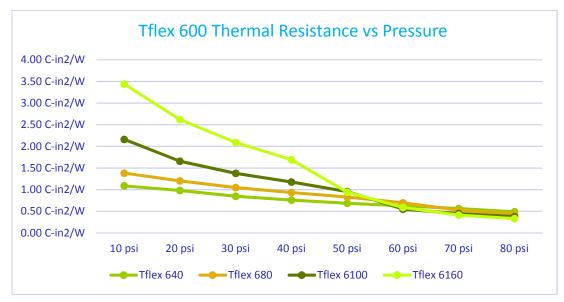
TYPICAL PROPERTIES	VALUE	TEST METHOD
Construction & Composition	Ceramic filled silicone sheet	N/A
Color	Blue-Viloet	Visual
Thickness Range	0.50mm (0.020") - 5.08mm (0.20")	N/A
Thermal Conductivity (W/mK)	3.0	ASTM D5470
Density (g/cc)	1.34	Helium Pyncometer
Hardness (Shore 00)	51	ASTM D2240
Outgassing TML (weight %)	0.13	ASTM E595
Outgassing CVCM (weight %)	0.05	ASTM E595
Temperature Range	-45°C to 200°C	N/A
Rth@ 40 mils, 10 psi, 50°C	0.62°C–in2/W	ASTM D5470 (modified)
Dielectric Constant @ 10GHz	4.0	ASTM D150
UL Flammability Rating	V-0	UL 94
Volume Resistivity (ohm-cm)	2 x 10^13	ASTM D257

Americas: +1.866.928.8181 Europe: +49.(0).8031.2460.0 Asia: +86.755.2714.1166



Tflex 600 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

OPTIONS

DC1 proprietary tack eliminated coating

PART NUMBER SYSTEM

Tflex™ indicates Laird elastomeric thermal gap filler product line. 6xx indicates Tflex 600 product line with thickness in mils (0.001") EXAMPLES:

- Tflex™ 640 = 0.040 inch thick Tflex™ 600 material
- Tflex™ 680DC1 = 0.080 inch thick Tflex™ 600 material with DC1 coating

Tflex 600 DS 071718

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user. Laird Technologies makes no warranties as to the fitness, merchantability, suitability or non- infringement of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies from and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trademarks or registered trademarks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.