



**\*Ready for 5G**

### Product Description

Tflex<sup>TM</sup> 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.

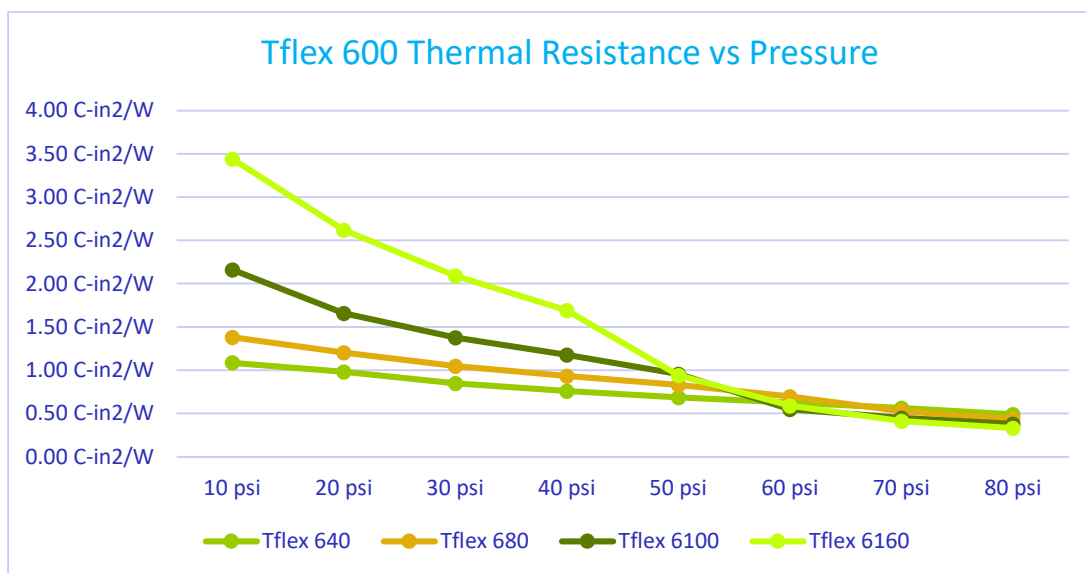
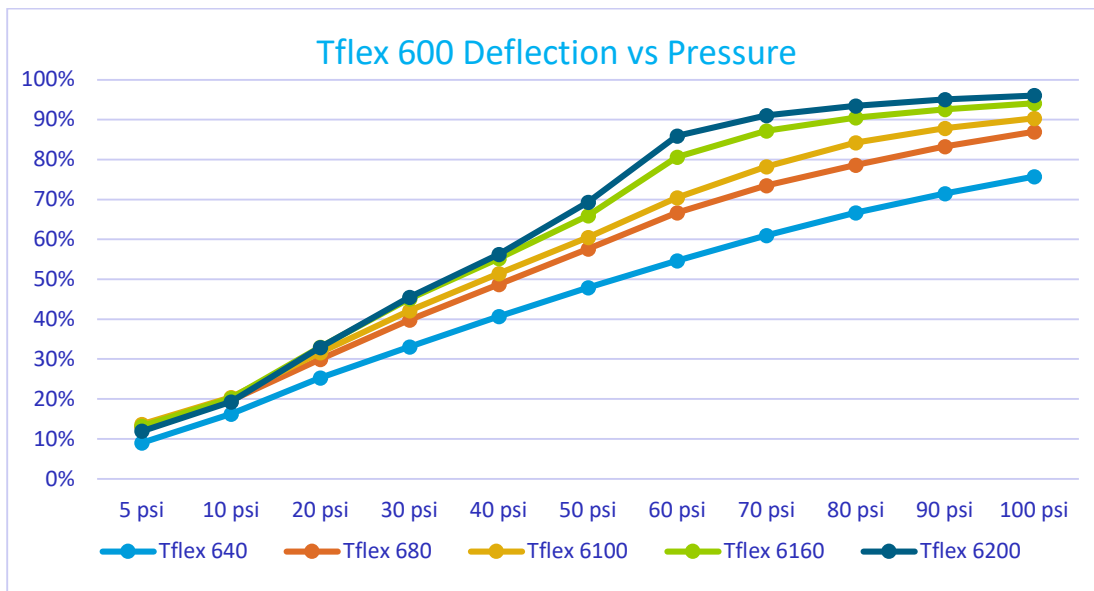
Tflex 600 is naturally tacky and requires no additional adhesive coating that can inhibit thermal performance. Tflex 600 is electrically insulating, stable from -45°C to 200°C and meets UL 94 V0 rating.

### 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
<b>Construction &amp; Composition</b>	Ceramic filled silicone sheet	N/A
<b>Color</b>	Blue-Violet	Visual
<b>Thickness Range</b>	0.50mm (0.020") - 5.08mm (0.20")	N/A
<b>Thermal Conductivity (W/mK)</b>	3.0	ASTM D5470
<b>Density (g/cc)</b>	1.34	Helium Pycnometer
<b>Hardness (Shore 00)</b>	51	ASTM D2240
<b>Outgassing TML (weight %)</b>	0.65	ASTM E595
<b>Outgassing CVCM (weight %)</b>	0.21	ASTM E595
<b>Temperature Range</b>	-45°C to 200°C	N/A
<b>Rth@ 40 mils, 10 psi, 50°C</b>	0.62°C-in <sup>2</sup> /W	ASTM D5470 (modified)
<b>Dielectric Constant @ 10GHz</b>	4.0	ASTM D150
<b>UL Flammability Rating</b>	V-0	UL 94
<b>Volume Resistivity (ohm-cm)</b>	2 x 10 <sup>13</sup>	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

### 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 011923