



Innovative **Technology**  
for a **Connected** World

# Tflex™ SF600 Series Thermal Gap Filler



## COMPLIANT SILICONE-FREE 3.0 W/mK THERMALLY CONDUCTIVE GAP FILLER

Tflex™ SF600 is a high performance, silicone-free thermal gap filler with a conductivity of 3.0 W/mK. Tflex™ SF600 is designed for applications which are silicone sensitive. This material is RoHS compliant.

## FEATURES AND BENEFITS

- Silicone-free gap pad
- Thermal Conductivity for material thicknesses of 10 to 30 mils is 2.8 W/mK
- Thermal Conductivity for material thicknesses of 40 to 140 mils is 3.0 W/mK
- Available in thicknesses from 0.010-inch (0.25 mm) through 0.140-inch (3.56 mm) in 0.010-inch increments

## APPLICATIONS

- Automotive applications
- Applications involving optical components
- Flat panel displays
- Hard drives

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Americas: +1.800.843.4556

Europe: +49.8031.2460.0

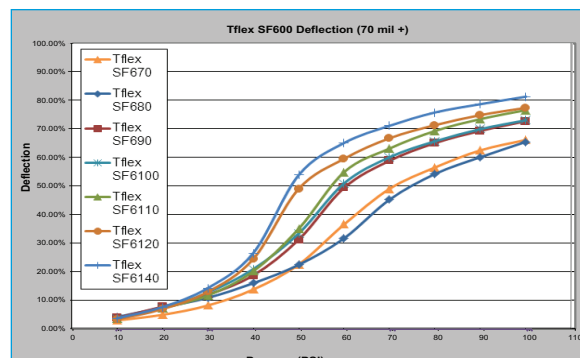
Asia: +86.755.2714.1166

CLV-customerservice@lairdtech.com

[www.lairdtech.com/thermal](http://www.lairdtech.com/thermal)

## Tflex™ SF600 TYPICAL PROPERTIES

|                             | Tflex™ SF600                             | TEST METHOD          |
|-----------------------------|------------------------------------------|----------------------|
| Construction                | Boron Nitride filled gap pad             | NA                   |
| Color                       | Rose                                     | visual               |
| Thermal Conductivity        | 3.0 W/mK                                 | Hot Disk             |
| Hardness (Shore 00)         | 80 Shore 00;<br>3 seconds                | ASTM D2240           |
| Density                     | 1.27 g/cc                                | Helium<br>Pycnometer |
| Standard Thickness Range    | 0.010 - 0.140 inches<br>(0.25 - 3.56 mm) |                      |
| Volume Resistivity          | 10 <sup>14</sup> ohm-cm                  | ASTM D257            |
| UL Flammability Rating      | V0 (pending)                             | UL 94                |
| Continuous use temperature  | -20° to 125°C                            | TGA                  |
| Weight Loss at 125°C        | <0.1% over 24 hrs                        | TGA                  |
| Dielectric Constant @ 1 kHz | 3.5                                      | ASTM D150            |



## STANDARD THICKNESSES

Standard thickness is 0.010-inch (0.25 mm) through 0.140-inch (3.56 mm) and available in 0.010-inch (0.25 mm) increments. 0.010-inch is only available in custom cut parts (sheet material is not available).

## MATERIAL NAME AND THICKNESS

Tflex™ indicates Laird Technologies' brand thermally conductive elastomeric gap filler product. SF6xx indicates 'SF600 series' 3.0 W/mK material, and xxx indicates thickness in mils (0.001-inches)

### Examples:

Tflex™ SF620 = 0.020-inch thick material

THR-DS-Tflex-SF600 0412

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