Laird TECHNOLOGIES

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

global solutions: local support™

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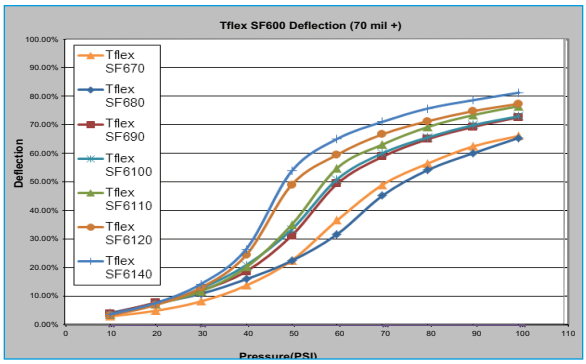
Tflex™ SF600 TYPICAL PROPERTIES

	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; 3 seconds	ASTM D2240
Density	1.27 g/cc	Helium Pyncometer
Standard Thickness Range	0.010 - 0.140 inches (0.25 - 3.56 mm)	
Volume Resistivity	10^{14} 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