



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

Tflex™ SF600 DF Series Thermal Gap Filler



COMPLIANT SILICONE-FREE 2.8-3.0 W/mK THERMALLY CONDUCTIVE GAP FILLER

Tflex™ SF600 DF is a high performance, silicone-free thermal gap filler with a conductivity of 2.8 - 3.0 W/mK. Tflex™ SF600 DF is designed for applications which are silicone sensitive. This material is certified to UL 94V0 flammability rating.

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 60 mils is 3.0 W/mK
- Available in thicknesses from 0.010-inch (0.25mm) through 0.060-inch (1.5mm) in 0.010-inch increments
- Differential tack on one side for easy assembly and rework

APPLICATIONS

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

global solutions: local support™

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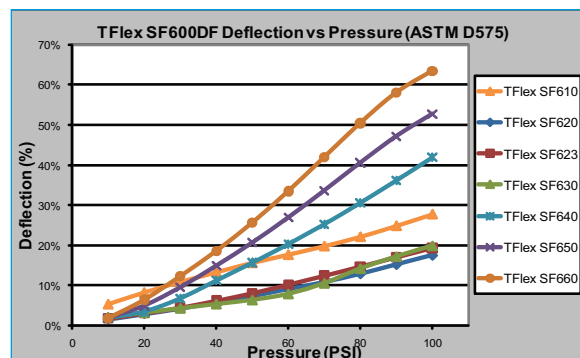
www.lairdtech.com/thermal

Tflex™ SF600 DF TYPICAL PROPERTIES

	Tflex™ SF600 DF	TEST METHOD
Construction	Boron Nitride filled gap pad	NA
Color	Rose	visual
Thermal Conductivity	3.0 ¹ W/mK	Hot Disk
Surface Tack	One side	
Hardness (Shore 00)	80 Shore 00; 3 seconds ²	ASTM D2240
Compression set	<20%	ASTM D395-03
Density	1.27 g/cc	Helium Pycnometer
Standard Thickness Range	0.010 - 0.060 inches (0.25 - 1.52 mm)	
Volume Resistivity	10 ¹⁴ ohm-cm	ASTM D257
UL Flammability Rating	V0 (pending)	UL 94
Continuous use temperature	125°C	TGA

¹ Thermal Conductivity for material thicknesses of 10 mil to 30 mil is 2.8 W/mK by Hot Disk test method.

² Shore Hardness for material thicknesses of 10 mil to 30 mil is 83 Shore 00; 3 seconds.



STANDARD THICKNESSES

Standard thickness is 0.010-inch (0.25 mm) through 0.060-inch (1.52 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). 0.023" (0.58mm) thickness is also available as standard.

MATERIAL NAME AND THICKNESS

Tflex™ indicates Laird Technologies' brand thermally conductive elastomeric gap filler product. SF6xx DF indicates 'SF600 DF series' 2.8 - 3.0 W/mK material, and xx indicates thickness in mils (0.001-inches)

Examples:

Tflex™ SF620 DF = 0.020-inch thick material