Laird
Smart Technology. Delivered.

Tflex™ 700 Series
Thermal Gap Filler



HIGHEST THERMAL CONDUCTIVITY COMPLIANT GAP FILLER

Tflex™ 700 is a 5 W/mK soft gap filler thermal interface material with great thermal performance and high compliancy. The soft interface pad conforms to component topography, resulting in little or no stress on the components and mating chassis or parts.

Unique silicone and ceramic filler technology allows a combination of high compliancy and high thermal performance. Tflex™ 700 is stable from -45ºC thru 200ºC and meets UL 94V0 flame rating. Naturally tacky, it requires no additional adhesive coating which inhibits thermal performance.

FEATURES AND BENEFITS

- Thermal conductivity 5.0 W/mK
- Highly compliant
- Low thermal resistance even at low pressure
- Available in thicknesses from 0.020” thru 0.200” (0.5mm thru 5.0mm)
- Naturally tacky for adhesion during assembly and transport

APPLICATIONS

- Cooling components to chassis, frame or other mating components
- Mass storage devices
- Heat pipe thermal solutions for notebook computers
- Automotive engine control
- Telecommunication hardware
- LED solid state lighting
- Power electronics
- Flat panel displays
- Audio and video components
- Computer servers and other IT infrastructure
- GPS navigation and other portable devices

Americas: +1.800.843.4556
Europe: +49.8031.24600
Asia: +86.755.2714.116

CLV-customerservice@lairdtech.com

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	Tflex™ 700	TEST METHOD
Construction	Filled Silicone Sheet	N/A
Color	Dark Grey	Visual
Thermal Conductivity (W/mK)	5.0	Hot Disk™
Hardness (Shore 00)	66; 3	ASTM D2240
Specific Gravity	1.73	Helium Pyncometer
Thickness Range	0.020" - .200" (0.5 - 5.0mm)	
Thickness Tolerance	±10%	
UL Flammability Rating	94 V0	File E180840
Temperature Range	-45°C to 200°C	See reliability report
Volume Resistivity (ohm-cm)	1 x 10^{13}	ASTM D257
Outgassing TML	1.0%	ASTM E595
Outgassing CVCM	0.13%	ASTM E595

STANDARD THICKNESSES

Standard thickness 0.020" (0.5mm) through 0.200" (5.0mm)
available in 0.010" (0.25mm) increments.

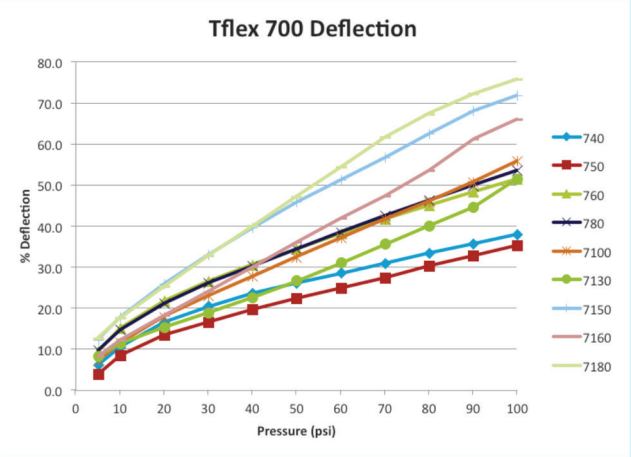
MATERIAL NAME AND THICKNESS

Tflex™ - indicates elastomeric gap filler product line.

7XXX - indicates Tflex™ 700 product line and thickness in mils (0.001-inches).

-DC1 - one side tacky; default is both sides tacky.

Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.



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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

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Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:
moschip.ru
moschip.ru_4
moschip.ru_6
moschip.ru_9