



## HIGHEST THERMAL CONDUCTIVITY COMPLIANT GAP FILLER

Tflex<sup>™</sup> 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<sup>™</sup> 700 is stable from -45°C thru 200°C 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

# Tflex™ 700 Series Thermal Gap Filler

	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 Pycnometer
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)	$1 \times 10^{13}$	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.

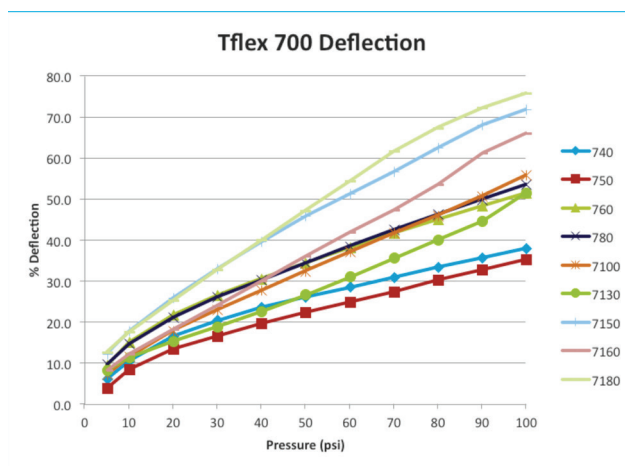
## MATERIAL NAME AND THICKNESS

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.



THR-DS-TFLEX-700\_07\_2\_14

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user, since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2010 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trade marks or registered trade marks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights. A15955-00 Rev E, 7/2014.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Thermal Interface Products](#) category:*

*Click to view products by [Laird Connectivity](#) manufacturer:*

Other Similar products are found below :

[63072-2-4013](#) [64442-1-7612](#) [FGN80-2](#) [PFM-172-60](#) [95778-1-5171](#) [A-40](#) [ACDIN4001-01-S](#) [APA502-80-001](#) [188761F00000G](#) [95779-1-5171](#) [9601-7](#) [9614-2-4013](#) [189790F00000](#) [189951F00000G](#) [2103-4-7320](#) [CN9565-000](#) [31570-2-4013](#) [LZ24-1](#) [4103G](#) [450-20-0025](#) [5300AC](#) [1.500G](#) [53-77-13ACG](#) [450-20-0017](#) [4949G](#) [08121](#) [08133](#) [08151](#) [08188](#) [08196](#) [10637-4-1040](#) [54476-2-4013](#) [71883-2-4053](#) [188651F00000G](#) [64445-1-7612](#) [66786-4-7320](#) [TP0001](#) [4952G](#) [4860](#) [450-20-0148](#) [88601-2-2929](#) [SC80-W2](#) [09450-M45](#) [09362-M45](#) [V6516C](#) [A17713-05](#) [A17690-06](#) [A17690-10](#) [A17690-05](#) [A17690-03](#) [A17775-05](#)