



BERGQUIST® *LIQUI-FORM* TLF 3800LVO

ONE-PART, PRE-CURED, LIQUID THERMAL INTERFACE MATERIAL (TIM)

Striking a balance between low volatility, low assembly stress and high thermal conductivity for improved reliability, Henkel's BERGQUIST® *LIQUI-FORM* TLF 3800LVO is a one-part, pre-cured, liquid thermal interface material (TIM) designed for demanding applications. The gel-based medium has a consistent and stable viscosity in storage and in production, allowing optimized dispensing with high shot-to-shot consistency for volume manufacturing. Built on a silicone chemistry platform, *BERGQUIST LIQUI-FORM* TLF 3800LVO thermal interface material unites low assembly stress, mechanical toughness, high thermal conductivity of 3.8 W/m-K, excellent thermal cycling reliability, reworkability and low siloxane volatility for silicone-sensitive applications.



Key Benefits

- Minimized outgassing with low siloxane less than 100 ppm
- Elimination of stress-related component failures
- Improved device/thermal cycling reliability
- Ultra-conforming with excellent wet-out in application
- Thorough gap filling for small, complex, intricate and delicate architectures
- Exceptional vibration resistance
- Ease of rework capability protects assembly value
- Room-temperature storage
- Available with and without glass beads in different cartridges and pail sizes



Dispensing

Samples are available in 30 ml cartridges with a handheld dispensing gun. Please contact your local Henkel representative for availability.

BERGQUIST LIQUI-FORM TLF 3800LVO thermal interface material can be supplied in small and large cartridges or containers, such as 600 ml tubes or 4 L pails, to support automated dispensing equipment for high volume manufacturing. For further information regarding dispensing application and/or equipment, contact your local Henkel representative.

Your method of application and assembly should minimize the opportunities for air to become entrapped in the material. Henkel's Technical Customer Service Engineers are available to assist you in selecting the right dispensing equipment and optimizing your application and assembly processes. To take advantage of this free consultation, please contact your local Henkel representative.

Clean Up

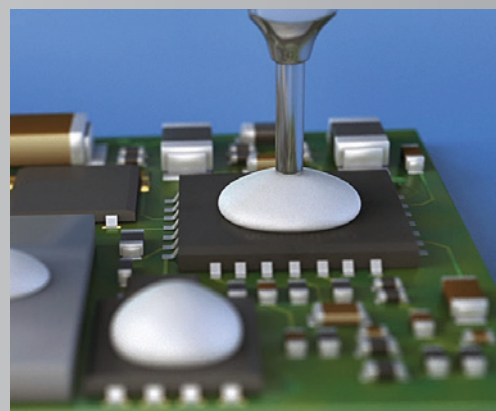
Spills of *BERGQUIST LIQUI-FORM TLF 3800LVO* may be removed with a cloth or wipe moistened with propanol, methanol or other suitable solvent. Consult the *BERGQUIST LIQUI-FORM TLF 3800LVO* Safety Data Sheet (SDS) for disposal guidance.

Typical Applications

- Handheld devices
- Bare die to heat spreader lid
- Filling various gaps between heat-generating devices to heat sink and housing
- Devices requiring low assembly pressure
- High value assemblies requiring ease of rework

Product Characteristics

Technology	Silicone
Appearance	Grey Paste
Thermal Conductivity (W/m·K)	3.8
Siloxane Content $\Sigma D_4 - D_{10}$, ASTM F2466 (ppm)	< 100
Operating Temperature Range	-60 – 200 °C
UL Flammability Rating	UL 94 V-0



**Across the Board,
Around the Globe.** 
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