



LOCTITE BERGQUIST LIQUI FORM TLF 6000HF

July 2022

LOCTITE BERGQUIST LIQUI FORM TLF 6000HF provides the following product characteristics:

Technology	1K Silicone
Appearance	Light grey paste
Cure	Pre-cured gel
Application	Thermal management, TIM (Thermal Interface Material) Gel/Grease
Product Benefits	<ul style="list-style-type: none">• High thermal conductivity• Good dispensing efficiency
Application Method	Dispense from cartridge
Typical Applications	<ul style="list-style-type: none">• Telecommunications• Computing• Consumer electronics

LOCTITE BERGQUIST LIQUI FORM TLF 6000HF thermally conductive, silicone-based, 1K pre-cured thermal gel is specially designed for use in electronic component cooling assembly applications. This material is formulated for easy dispensing making it suitable for high throughput production applications.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Viscosity, TA DHR3, PP25 cone @ 25°C, mPa·s (cP):	
1 mm gap @ Shear rate 1 s ⁻¹	696,000
Density, ASTM D792, g/cc	3.4
Flow Rate @ 90 psi, g/min:	
30cc EFD	108.7
30cc EFD with 1.2 mm needle	13.7
Shelf Life @ 2 to 10°C, days	180

TYPICAL PROPERTIES OF CURED MATERIAL

Physical Properties

Siloxane Content, ΣD3-D10, ppm	80
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Thermal Properties

Thermal Conductivity, ASTM D5470, W/(m·K)	6.72
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Electrical Properties

Volume Resistivity, ASTM D257, ohm-cm	3×10 ¹²
Surface Resistivity, ASTM D257, ohms	2×10 ¹²

GENERAL INFORMATION

For safe handling information on this product, consult the Safety Data Sheet, (SDS).

The above cure profiles are guideline recommendations. Cure conditions (time and temperature) may vary based on customers' experience and specific application requirements, as well as customer curing equipment, oven loading and actual oven temperatures.

STORAGE

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

Optimal Storage: 2 to 10°C. Storage below 2°C or above 10°C can adversely affect product properties.

Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Henkel Representative.

Conversions

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{kV/mm} \times 25.4 = \text{V/mil}$
 $\text{mm} / 25.4 = \text{inches}$
 $\text{N} \times 0.225 = \text{lb/F}$
 $\text{N/mm} \times 5.71 = \text{lb/in}$
 $\text{N/mm}^2 \times 145 = \text{psi}$
 $\text{N/mm}^2 = \text{MPa}$
 $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$
 $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$
 $\text{mPa}\cdot\text{s} = \text{cP}$

Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local Henkel representative for assistance and recommendations on the specifications of this product.

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