

## **HENKEL SOLUTIONS FOR AUTOMOTIVE ELECTRONICS COMPONENTS**

### **BERGQUIST® GAP FILLER TGF 4400LVO**

Next Generation, 2-component, low volatile outgassing silicone-based gap filler



#### **Features & Benefits**

- **2-component** solution based on **low volatile** silicone technology
- **Thin bold line** achievable for thermal resistance optimization by design
- Balanced working time (**90 minutes**) and **cure profile < 12 hour** at room temperature
- Thermal conductivity **4.4 W/(m.K)** typical
- **Fast** and **robust** dispensing
- High reliability under **severe thermal load**



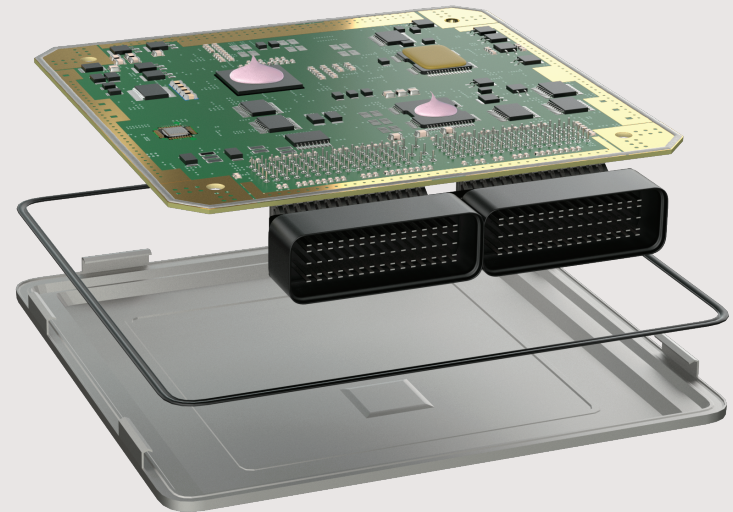
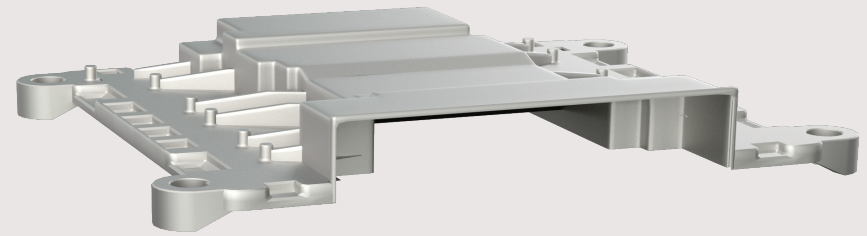
#### **Sustainability Value**

- Long working time **increases** customer **process window**, reducing scrap at the production line
- **Low** concentration of **volatile siloxanes**

Leverage Henkel's broad technology portfolio and application know-how to strengthen your automotive electronics applications.



Henkel Adhesive Technologies



# BERGQUIST® GAP FILLER TGF 4400LVO

Next Generation, 2-component, low volatile outgassing silicone-based gap filler

## BENEFITS

- Low volatile silicone with limited outgassing
- Suited for thin bond-line enabling:
  - Lower overall thermal resistance
  - Design flexibility for a wide range of gaps
- Excellent vertical gap stability for long-term reliability and performance
- Ease of dispensing with high shot consistency for high throughput manufacturing
- Excellent wet-out for lower thermal impedance

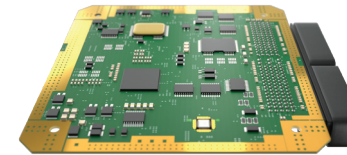
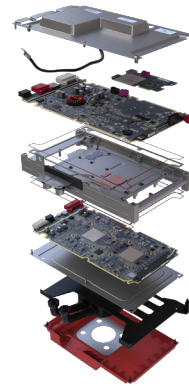
## Product Properties

Technology	Silicone (2C)
Thermal Conductivity, ASTM D5470	4.4 W/(m.K) typical
Shore Hardness (00)	90
Flow Rate (EFD 30 cc, 90 psi)	Part A: 1.0 cc/sec; Part B: 1.2 cc/sec
Cure	Room temperature or heat*
Working Time	90 min at 25°C

\* For more guidelines on best dispensing practices, please contact Henkel's Application Engineering Team

## TYPICAL APPLICATIONS

- Automotive control units, ADAS camera, LiDAR data modules and displays
- Applications in automotive and industrial electronics requiring fast processing and high reliability



## AVAILABLE CONFIGURATIONS

- 50 cc, 400 cc & 660 cc cartridges
- 1200 cc semco kits
- 20 L-Pail pail kits

Reach out to our experts to partner up for automotive electronics in automotive and industrial electronics.

CONTACT US TO LEARN MORE

**Europe**  
Germany  
Henkel AG & Co. KGaA (Headquarters)  
Henkelstraße 67, 40589 Düsseldorf

**Asia-Pacific**  
China  
Henkel (China) Co., Ltd.  
No. 928 Zhangheng Road, Pudong New District  
201203 Shanghai

**Americas**  
U.S.A.  
Henkel Corporation  
Madison Heights, 32100 Stephenson Highway  
Madison Heights, MI 48071



[www.henkel-adhesives.com](http://www.henkel-adhesives.com)

The data contained herein is intended as reference only. Some products / package sizes may not be available in your country or may have a lead time. Please contact your local Henkel subsidiary for assistance and recommendation on specifications and applications of these products. © designates a trademark of Henkel AG & Co. KGaA or its affiliates, registered in Germany and elsewhere  
© Henkel AG & Co. KGaA, 2023 (10/2023)

