



# BERGQUIST® TGF 2030APS

**Non-silicone, two-component, room temperature curable, stick-on thermal gap filler for high throughput EV battery assembly applications.**

## 1 CUSTOMER CHALLENGES

- A major global OEM required a thermal gap filler for application in a cell-to-pack battery architecture, with demanding performance requirements in elongation and lap shear strength
- Processing challenges to cover 90% of cell stacks and guarantee application speed, along with a low compression behavior for cooling lid
- Cost sensitivity

## 2 HENKEL SOLUTION

- Henkel developed BERGQUIST® TGF 2030APS, a thermal gap filler with a 1.7 W/mk thermal conductivity, high elongation of 70%, good adhesion to e-coat/PET isolation foil by specific low lap shear strength <1MPa to meet all crash impact requirements
- Intelligent pricing approach to meet stringent cost requirements
- The product offers aging stability, a 6-month shelf life, and a moderate abrasion behavior

## 3 MASS PRODUCTION PROCESS SET-UP

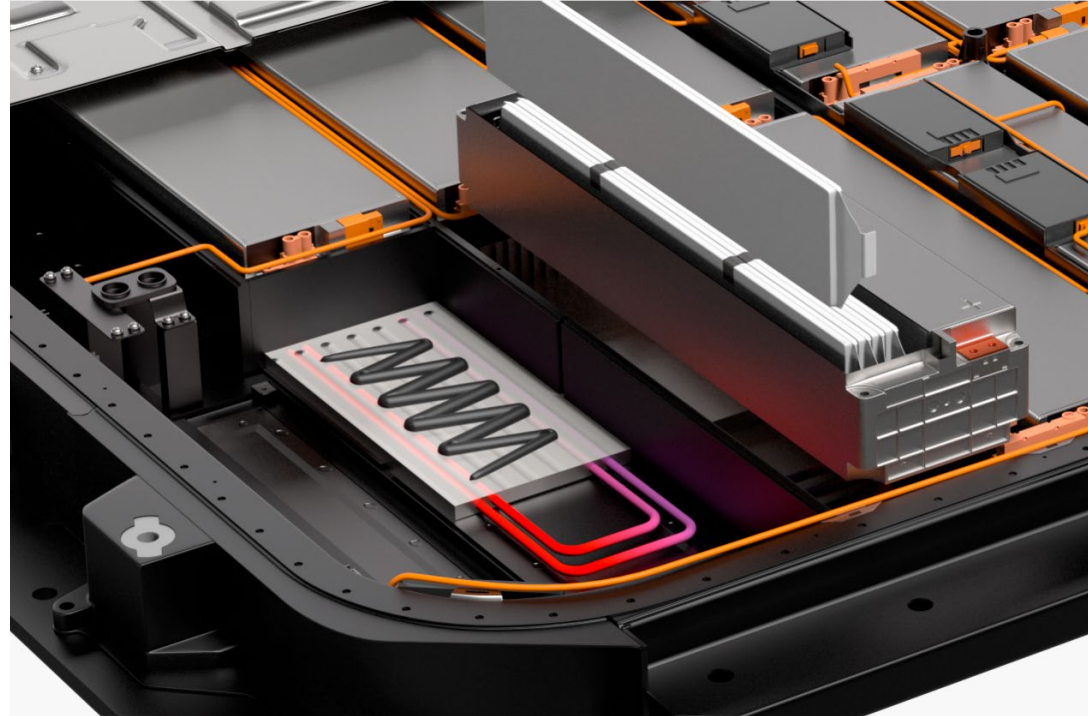
- Henkel's E-Mobility experts provided the customer's teams with close technical and on-site engineering support, helping them scale up quickly and efficiently with the new solution

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**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



## Customer Benefits

- Thermal conductivity of 1.7 W/mk
- High elongation of 70%
- Cost efficiency
- Silicone-free formulation



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