



LOCTITE® TLB 9270APS

Two-component polyurethane-based thermally conductive adhesive for EV battery applications.

1 CUSTOMER CHALLENGES

- A major global EV battery manufacturer required a thermally conductive adhesive material with a high thermal conductivity for heat dissipation in a fast-charging battery system
- Reliability in harsh conditions was crucial to withstand humidity, thermal shocks, and prolonged high levels of heat
- Key requirements also included easy dispensing, long open time, and fast curing for large-scale manufacturing processability

2 HENKEL SOLUTION

- Henkel developed LOCTITE® TLB 9270APS, a polyurethane-based thermally conductive liquid adhesive with a thermal conductivity of 2 W/mK and a high bonding strength in various substrates
- The product offers an optimized filler and viscosity for a high dispense rate and robust mixing
- An optimized catalyst and resin combination enable a long open time and fast curing

3 MASS PRODUCTION PROCESS SET-UP

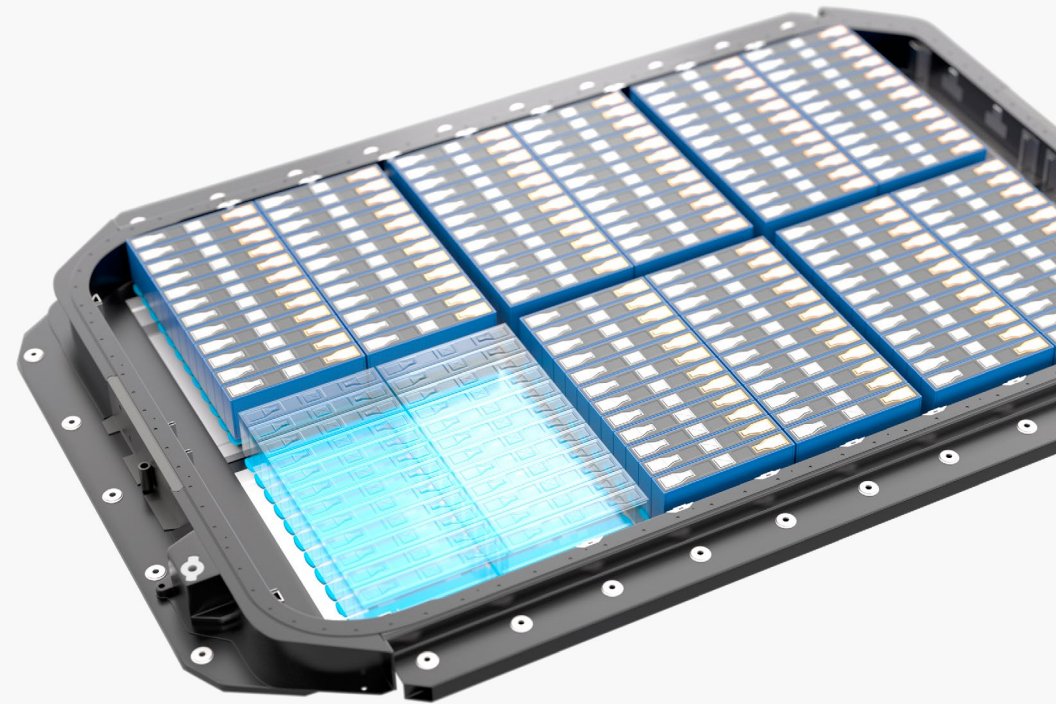
- Henkel's E-Mobility experts provided the customer's teams with close technical and on-site engineering support, helping them scale up quickly and efficiently with the new solution

[CLICK HERE 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



Customer Benefits

- High thermal conductivity of 2 W/mk
- Strong bonding across various substrates
- High dispense rate
- Fast curing



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, 2026 (4/2026)

