

BERGQUIST TGF 2200 APS

Low-Density, Fast-Dispensable Battery Thermal Management Solution

1 CUSTOMER CHALLENGES

- » A key automotive OEM required a fast-dispensable Gap Filler that allows for optimizing the equipment maintenance cost.
- » Focusing on lightweight optimization, the customer required a low-density solution.
- » To enable the reduction of cycle time, a lower squeeze flow was essential.

2 RECOMMENDED TECHNOLOGY

- » Henkel developed a low-density Gap Filler with a thermal conductivity of 2.2 W/mk: BERGQUIST TGF 2200 APS.
- » The product has a high dispensing rate of > 30 cc/sec.
- » It also has a low compression force to ensure full wetting flow.



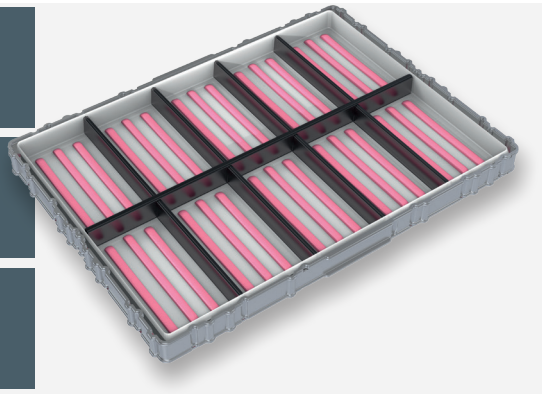
High-speed dispensing for large scale production



Fast application process for high assembling efficiency



Supports daily production of > 500 battery packs on one production line



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3 MASS PRODUCTION PROCESS SET-UP

- » Henkel's E-Mobility experts provided the OEM with close technical support and on-site engineering support, helping them scale up quickly and efficiently with the new solution.
- » With a high-speed dispensing capability, the OEM has the capability to produce battery packs with high production efficiency.
- » Through trustful collaboration with the OEM and the dispensing equipment supplier, Henkel ensured the successful implementation of the solution in accordance with all the customer requirements.

CUSTOMER BENEFITS

High dispense rate to enable a fast assembly process	Optimized filler package with low abrasion characteristics
Controlled siloxane content formulation to avoid impact on optical and electrical contact or surface painting functionality	Henkel's global mass production capability for battery Gap Fillers enables customer production in multiple regions

TO FIND OUT MORE ON HOW WE CAN HELP YOU DRIVE E-MOBILITY, VISIT: www.henkel-adhesives.com/emobility

