



Press Release

January 19, 2022

Low Pressure Molding, Thermal Management and Structural Adhesives Leadership on Display; Papers Highlight Reliability and Sustainability

Henkel Presence at IPC APEX EXPO 2022 to Feature Materials for Consumer and Industrial Electronics Applications, Multiple Conference Papers

Irvine, CA – Prioritizing the requirement across market sectors for increased reliability and sustainability, Henkel's exhibit and paper presentations at next week's IPC APEX EXPO 2022 (APEX) will showcase the material leader's commitment to these objectives. Live demonstrations, a range of protection, connection and thermal control solutions and the company's pioneering work on sustainable adhesive development will be front and center. Henkel's portfolio, displayed at APEX in Booth 1734, is designed to improve cost-efficiency, in-field reliability and longer lifetimes.

Groundbreaking Biobased Consumer Electronics Adhesive

Earlier this year, Henkel debuted the market's first biobased polyurethane reactive (PUR) hot melt adhesive for consumer electronics assembly, LOCTITE® HHD 3544F. At APEX, Henkel Global Head of Sustainability for Electronics, Scott Anderson, will deliver a poster paper presentation on the product's development, the formulation challenges and the resultant material, with over 60% of its content sourced from renewable, plant-based feedstocks. The adhesive is ideal for structural bonding applications within mobile phones, laptops, wearables and accessories.

Thermal Management for 5G Infrastructure and Industrial Devices

Low volatility BERGQUIST® brand liquid thermal gap fillers and thermal gels provide robust thermal control and high-volume manufacturing compatibility for numerous industrial applications. Showcasing its award-winning BERGQUIST LIQUI-FORM TLF 6000HG thermal gel, which has enjoyed broad success in 5G infrastructure applications, Henkel technologists will engage in live, in-booth dispensing demonstrations of the material to illustrate the one-part thermal gel's application ease. With thermal conductivity of 6.0 W/m-K and 3.0 mm gap stability, the material is well-suited for devices such as baseband units, remote radios and antennas that are positioned vertically in outdoor environments.

Simple, Three-Step Low Pressure Molding

Electronic component protection from moisture, vibration and environmental contaminants is a key part of the reliability equation. Meeting these goals cost-effectively and efficiently can be challenging. Henkel's TECHNOMELT low pressure molding materials reduce the complexity of the encapsulation process to three easy steps. Available in a variety of formulations and colors, TECHNOMELT hot melt adhesives are used for applications in the medical device, electronics, LED lighting and automotive markets, among others. The ability to re-melt unused material reduces waste and delivers a sustainable alternative to other protection materials.

Development and Application Expertise

Throughout the event, the Henkel team will participate in several panel discussions and conference papers. Learn from some of the industry's most knowledgeable materials experts by attending the below:

Reliability and Thermal Control:

- "Ability of Industry Reliability Methods to Predict Lifecycle Application Field Failures", Alex Sanchez, Henkel Senior Applications Engineer Americas, Jan. 25, 10:00 a.m. – 12:00 p.m.
- "Silicone Migration Concerns in Thermal Materials – How Real are They?", Sanjay Misra, Ph.D., Henkel Senior Scientific Principal, Jan. 25, 1:30 – 3:00 p.m.

- “Thermally Conductive EMI Management Materials for High Frequency Applications”, Bongjoon Lee, Ph.D., Henkel Scientific Principal, Jan. 25, 3:30 – 5:00 p.m.

Sustainability:

- “Increasing Awareness and the Impending Impact of Sustainability Metrics in the Electronics Ecosystem”, Neil Poole, Ph.D., Henkel Chemistry Fellow, Jan. 26, 3:30 – 5:00 p.m.
- “Developing a Biobased Structural Adhesive for Consumer Electronics”, Scott Anderson, Henkel Global Head of Sustainability for Electronics, Jan. 25, 5:00 – 6:00 p.m.; Jan. 26, 2:30 – 3:30 p.m.; Jan. 27, 12:00 – 2:00 p.m. on the show floor.

For more information about Henkel’s materials for consumer electronics and industrial applications, visit www.henkel-adhesives.com. To schedule a technical consultation during APEX, send an email to: eva.laus@henkel.com.

About Henkel in North America

In North America, Henkel operates across its three business units: Adhesive Technologies, Beauty Care, and Laundry & Home Care. Its portfolio of well-known consumer and industrial brands includes Schwarzkopf® hair care, Dial® soaps, Persil®, Purex®, and all® laundry detergents, Snuggle® fabric softeners as well as Loctite®, Technomelt® and Bonderite® adhesives. With sales of around 6 billion US dollars (5 billion euros) in 2020, North America accounts for 27 percent of the company’s global sales. Henkel employs approximately 9,000 people across the U.S., Canada and Puerto Rico. For more information, please visit www.henkel-northamerica.com, and on Twitter [@Henkel_NA](https://twitter.com/Henkel_NA).

About Henkel

Henkel operates globally with a well-balanced and diversified portfolio. The company holds leading positions with its three business units in both industrial and consumer businesses thanks to strong brands, innovations and technologies. Henkel Adhesive Technologies is the global leader in the adhesives market – across all industry segments worldwide. In its Laundry & Home Care and Beauty Care businesses, Henkel holds leading positions in many markets and categories around the world. Founded in 1876, Henkel looks back on more than 140 years of success. In 2020, Henkel reported sales of more than 19 billion euros and adjusted operating profit of about 2.6 billion euros. Henkel employs about 53,000 people globally – a passionate and highly diverse team, united by a strong company culture, a common purpose to create sustainable value, and shared values. As a recognized leader in sustainability, Henkel holds top positions in many international indices and rankings. Henkel’s preferred shares are listed in the German stock index DAX. For more information, please visit www.henkel.com.

Photo material is available at www.henkel-northamerica.com/press

###

Contact Eva Laus
Phone +1-714-780-2909
Email eva.laus@henkel.com