



Press Release

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Silicone-free Bergquist Gap Pad TGP EMI4000 offers a breakthrough in longevity, versatility, and performance

Henkel launches first silicone-free multifunctional EMI thermal gap pad

Düsseldorf – As modern vehicles become increasingly reliant on advanced ADAS and telematics systems, OEMs are seeking to ensure the long-term reliability and performance of these mission-critical components by preventing unintended cross-talk. A key solution for these sensitive electronics is multifunctional gap pads that offer a rare combination of heat dissipation as well as attenuation of electromagnetic radiation. Henkel's Bergquist Gap Pad TGP EMI4000 is the first silicone-free gap pad solution opening new possibilities for greater reliability and performance as silicone oil migration could impact functionality of components over time.

Bergquist Gap Pad TGP EMI4000 is a silicone-free material that offers both thermal conductivity (4W/mK) performance and EMI protection at frequencies up to 77 GHz. Its reduced oil migration formula optimizes vertical gap stability and loss of functionality over time. These capabilities make it well suited to applications such as radar and V2X/Telematic Modules. "With this new exciting and innovative technology, we are addressing multiple industry needs in a single product while filling a white spot in our portfolio and the market landscape", explains Laura Überbacher, Business Development Manager at Henkel.

The highly conformable, soft nature of the material enables low assembly stress and enhances wet-out at the interface resulting in better thermal performance than harder materials with a similar performance rating.

Bergquist Gap Pad TGP EMI4000 is a REACH-compliant solution that offers various safety and sustainability advantages. As a silicone-free material it eliminates hazardous D3 to D6 siloxanes and reduces the need for multiple material solutions through its multifunctional nature.

To learn more about Henkel's portfolio of automotive electronics solutions, please visit:
[Automotive Electronics Solutions - Henkel Adhesives \(henkel-adhesives.com\)](https://www.henkel-adhesives.com)

About Henkel

With its brands, innovations and technologies, Henkel holds leading market positions worldwide in the industrial and consumer businesses. The business unit Adhesive Technologies is the global leader in the market of adhesives, sealants and functional coatings. With Consumer Brands, the company holds leading positions especially in hair care and laundry & home care in many markets and categories around the world. The company's three strongest brands are Loctite, Persil and Schwarzkopf. In fiscal 2022, Henkel reported sales of more than 22 billion euros and adjusted operating profit of around 2.3 billion euros. Henkel's preferred shares are listed in the German stock index DAX. Sustainability has a long tradition at Henkel, and the company has a clear sustainability strategy with concrete targets. Henkel was founded in 1876 and today employs a diverse team of more than 50,000 people worldwide – united by a strong corporate culture, shared values and a common purpose: "Pioneers at heart for the good of generations." More information at www.henkel.com

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

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The following photo material is available:



The market-first silicone-free Bergquist Gap Pad TGP EMI4000 offers both thermal conductivity performance and EMI protection.