



Press Release

January 9, 2023

Enabling the automotive vision of autonomous driving

Loctite Ablestik NCA 3218 delivers superior performance for lens bonding in ADAS sensors

Düsseldorf – Henkel has launched an innovative new dual cure adhesive specifically designed for bonding applications in automotive ADAS cameras and LiDAR modules. Using a unique UV cationic thermal dual cure epoxy, Loctite Ablestik NCA 3218 offers an ideal solution for applications such as lens barrel-to-housing and lens housing-to-circuit board bonding.

“Today’s advanced driver assistance systems (ADAS) are enabling a fundamental shift towards safer driving that seamlessly supports driver ability with high-resolution sensors and broad data base,” comments Michael Cai, ADAS Business Development Manager at Henkel. “As ADAS becomes an integral part of the modern driving experience – and a required feature of safety rating systems – automotive suppliers and OEMs are still seeking the optimal balance of manufacturing efficiency and the dependable performance demanded by safety critical applications. As a longstanding partner to the automotive industry, Henkel is pioneering new materials and processes to meet these challenges. Loctite Ablestik NCA 3218 demonstrates this commitment with a material that is optimised for the highly demanding area of ADAS sensors.”

Loctite Ablestik NCA 3218 is a dispensable, 1-component dual cure non-conductive adhesive. Due to its high glass transition temperature (T_g), the interface is less stressed, offering excellent adhesion to PCB, various plastics (PBT, PPS) and aluminium substrates. It has a low coefficient of thermal expansion (CTE), with a low and consistent cure shrinkage that minimises size change once cured. Loctite Ablestik NCA 3218 enables long-term robust and reliable performance throughout the entire lifetime of ADAS sensors. Its grey colour is also ideal for optical applications, as it ensures optimal blocking to prevent unintentional light penetration, providing additional quality assurance for the sensor.

Loctite Ablestik NCA 3218 has been created to meet global product safety standards and is CMR, SVHC, antimony free, and REACH compliant.

To get more detailed & technical information of active alignment adhesive application, please visit our whitepaper of active alignment adhesive site, [Automotive ADAS Camera White Papers - Henkel Adhesives \(henkel-adhesives.com\)](#).

LOCTITE® is a registered trademark of Henkel and/or its affiliates in the USA, Germany and elsewhere.

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 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 2021, Henkel reported sales of more than 20 billion euros and adjusted operating profit of around 2.7 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

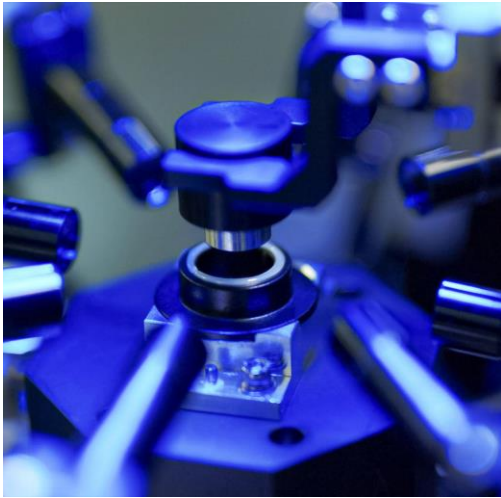
Photo material is available at www.henkel.com/press

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The following photo material is available:



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