

Shielding adhesive for optical modules



Overview

Optical Clear Adhesive (OCA) is a transparent, solid adhesive film used to laminate display layers such as cover glass, touch sensors, and LCD or OLED modules. Optical adhesives are supporting advances in optical assemblies, collections of optical components and mechanical parts that precisely manipulate light for focusing, imaging, and beam shaping. From bonding lenses and coupling fibers to sealing photonic packages and aligning micro-optics, these. Special adhesives are used on the one hand to fix optics and lenses in order to secure them precisely in the housing, and on the other hand to bond several lenses together. Our comprehensive range of. satisfied through high-performance optical connectivity. And, to thrive, next-generation optoelectronic systems require cutting-edge adhesive and thermal management materials. The adhesive has the unique flexibility to cure in seconds with LED and/or UV/Visible light as.



Article Content

Jul 24, 2025

Lens Adhesive & Structural Optical Bonding Solutions

Applications Optical Sensors, Camera Modules and LIDAR Meridian's EPO-TEK® high-performance solutions are widely used for micro lense molding, lens

Nov 09, 2025

Why EMI Shielding is Essential for Modern Electronics

Protect your electronics from EMI! Explore high-performance EMI shielding solutions to reduce interference and improve device reliability.

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Henkel Debuts Assembly Adhesive for Optical Fiber

Henkel Corporation's Adhesive Electronics (AE) business today announced the commercial availability of a new, high-strength adhesive designed

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Optical Bonding Adhesive Suppliers

Optical bonding adhesive is an advanced material that affixes and aligns optical components such as lenses, cover glasses, and image sensors

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Microsoft Word

Dual Cure, Active Alignment Optical Adhesive Delivers High Precision Performance for Optimal Transceiver Signal Integrity Irvine, California - Tackling the reliability and data rate demands of 100

Jun 15, 2026

Selecting the right optics adhesive: A guide to what

In many optical devices, the adhesive may not even be in the optical path. A one-component, 80-degree C curable, exceptionally low viscosity epoxy

Sep 02, 2025

Optics and Optoelectronics

Hoerle offers various specially formulated adhesives based on epoxy resins for fixing and aligning photodiodes and optical fibers for recording optical signals.

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United Adhesives Inc.

United Adhesives Inc. is a manufacturer of silicone and epoxy based adhesives used in electronics industry. United Adhesives Inc. supplies these high quality and high performance adhesives to

Jan 17, 2026

Adhesives for Fiber Optics Assembly: Making the Right

Adhesive technology has always played a role in fiber optics assembly. Initially, epoxy technology was the method of choice, primarily in the connector market,

Dec 19, 2025

Pressure-Sensitive Adhesives for Flexible Display Applications

Abstract Pressure-sensitive adhesives (PSA) have been used in electronics for not only attachment of two materials but also shock absorption, thermal and electrical conductivity, electromagnetic

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Optical Clear Adhesive (OCA): Technology, Process,

Optical Clear Adhesive (OCA) is a transparent, solid adhesive film used to laminate display layers such as cover glass, touch sensors, and LCD or OLED modules. It

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Optical Adhesives and Sealants

NTT-AT's AT9575M (epoxy) and AT8105 (acrylate) adhesives for optical fiber fixing have gained popularity for their good workability as non-fluid adhesives. NTT-AT

May 20, 2026

HIGH-PERFORMANCE MATERIALS FOR OPTICAL NETWORK

Henkel protection materials for optical modules and components include a broad portfolio of underfills, encapsulants, and low pressure molding materials that guard against stress and vibration, as well as

May 12, 2026

Optical Adhesives: A Technical Guide for Design Engineers

Reworkable optical adhesives are growing because of demand for prototyping and high-value photonic modules. Ultra-low outgassing materials are critical for

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FIBER OPTIC — NextGen Adhesives | Fiber Optic,

NextGen Adhesives offers an extensive line of fiber optic adhesive technologies and a premier supplier for transceiver assembly and FTTH. Fiber optic applications

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Optical Clear Adhesive (OCA): Technology, Process,

Optical Clear Adhesive has become an indispensable material for modern display design. It simplifies assembly, improves optical performance, and provides

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Optical Adhesives: A Technical Guide for Design Engineers

Acrylic adhesives that cure with UV light are low-stress materials with applications in imaging modules and consumer optics. They cure in seconds and have low

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Lens Adhesive & Structural Optical Bonding Solutions

Learn about Meridian's lens and structural adhesives for optical bonding, ideal for sensors, active alignment, camera modules, and LIDAR with

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Light-blocking tapes: block harmful UV and visible rays

Optically clear adhesive tapes with UV blocking features Our high-transparency tesa® optically clear adhesive (OCA) solutions meet the automotive sector's demand

Dec 08, 2025

Towards the optimal design of optically clear adhesives for flexible ...

As device form factors evolve towards increased complexity and flexibility, the role of adhesives within the display module stack becomes increasingly crucial. These adhesives are

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Adhesive Applications in Fibre Optics

Adhesive Applications in Fibre Optics To secure fibre-optic cables, fibre arrays and waveguides, Hoenle has developed special adhesives that can allow an unimpeded transmission of light at optical

Oct 30, 2025

HIGH-PERFORMANCE MATERIALS FOR OPTICAL NETWORK

MATERIAL SOLUTIONS FOR OPTICAL SYSTEMS PROTECTION Henkel protection materials for optical modules and components include a broad portfolio of underfills, encapsulants, and low

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Selecting the right optics adhesive: A guide to what

Finally, for optical device reliability, adhesive compounds may be specially formulated to withstand environments of aggressive 85 degree C heat

Apr 03, 2026

High electromagnetic shielding of plastic package for 2.5-Gb/s optical ...

A lightweight, low-cost plastic package for a 2.5-Gb/s optical transceiver module, that also has good electromagnetic shielding properties, has been fabricated using woven continuous carbon

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Adhesive for

Optical Module Devices for optical fiber communication Requirements for 5G adhesives

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Optical Grade Epoxy Adhesives | Fiber Optic Lens Bonding

Our adhesives offer phenomenal bond strength, dimensional stability, optical clarity and can withstand extreme temperatures and harsh environments. They can be customized to meet your specific

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Optical Bonding

Optical Bonding Seal & Dam Touch International Increased Ruggedization Impact Resistance - An optically bonded cover lens increases impact resistance on most

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Lid-sealing Epoxies Adhesives and Materials for Optical Thermal EMI ...

LID-SEAL: Low Cost Sealing, Thermal and Shielding Solutions Adhesive Preforms (Adhesive Film Pre-application for optical, component, and module lid sealing) Patented pending low cost pre-application

Jun 04, 2026

OPTOELECTRONICS ADHESIVES

UV-curable adhesives play an important role in this area. Optoelectronics customers have turned to ACW UV-cure adhesives as the reliable solution to fix optical components as this is one of the most

Contact Us

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