

Global UV-Curable Adhesives Market Outlook to 2027

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Abstracts

UV-Curable Adhesives, a type of light-curing adhesives, cure in very little time when exposed to Ultraviolet (UV) light, they offer an appropriate solution for quickly curing a product in a variety of applications, and these adhesives are preferred for industries where transparency & stability are the primary needs. According to BlueQuark Research & Consulting, the global UV-Curable Adhesives market is expected to witness a significant growth rate during the forecasted period. Factors like increasing usage of UV-Curable Adhesives in the packaging sector, owing to their ability to create a quick bond between different materials, such as plastics, rubber, metal, glass & ceramic materials. Further, with the increase in technological advancement, UV-Curing Adhesives are widely used in the pharmaceutical industry for device assemblage. Furthermore, even an electronic application will witness a rapid surge in the collection of electronics as well as in the protection of circuits. However, UV-Curing Adhesive resists only a limited number of sterilization cycles. An additional challenge is that oxygen inhibition causes a sticky layer on the top of the surface, which results in incomplete curing.

UV-Curable adhesives are widely used in the manufacturing of glassware, optical devices, medical equipment. These adhesives are used for various applications for bonding, encapsulating, coating, tacking, & sealing.

The primary use of UV-Curable Adhesives is in the packaging sector. The major factors driving the market are exclusive properties, like fast curing rates, high bond strength, and low VOC emissions, and increasing demand for UV Adhesives for flexible packaging applications. The desirable properties of UV-Curable adhesives like superior strength & flexibility, ability to withstand the extreme environment, & excellent moisture resistance make UV-Curable Adhesive suitable for packaging applications. These adhesives are known to eliminate heat & Radio Frequency (RF) sealing of Clamshell packages. The usage of UV-Curable Adhesive as laminating films, papers, & foils is

rising in product packaging applications where weather resistance is required. With the growing trend of online food orders & delivery services, growing the need for packaging materials, especially flexible packaging, has been rising, which is likely to drive the demand for UV-Curable Adhesives during the forecasted period. The use of UV-Curable Adhesives in the packaging sector is growing at a massive rate due to their dominance over the usage of conventional adhesive systems used.

Some of the market's key players are 3M, Cartell Chemical Co. Ltd, DELO Industrial Adhesives, DuPont, Dymax Corporation, Epoxy Technology Inc., and H.B. Fuller Company.

The Asia Pacific region is projected to be a market leader in the future as it is one of the fastest-growing markets for UV-Curing Adhesive. They are fast curing & have exceptional stability, even under challenging environments & have a single part product with low VOC emissions & a good-looking finishing appearance. These adhesives are used to manufacture medical equipment & items such as syringes, catheters, blood filters, & soon. These adhesives used in the medical industry need to be tested & certified with commonly accepted standards & have to be able to withstand harsh sterilization techniques such as autoclaving. In the electronic industry, these adhesives are used for potting, encapsulation, wire tacking, & coil termination & they may also provide thermally conductive properties. It can be in the form of different chemistries, urethanes, acrylics, silicones, or epoxies, and rapid curing also minimize material consumption & decrease production cost. Acrylic resin offers a high quality of mechanical properties, chemical resistance, and stability for automotive parts as it is mainly used in the automotive sector. With the increase in demand for these adhesives in the automotive and industrial industries, the market for acrylic-based UV-Cured bonds is expected to rise through the forecast period.

In October 2021, Henkel developed an innovative one-component UV-only cured in place gasket for automotive electronics applications.

Global UV-Curable Adhesives Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the UV-Curable Adhesives Market by segmenting based on Resin Type (Epoxy, Arcylic, PU, Silicon, Others), Substrate (Ceramic, Glass, Composites, Metal, Plastics, Rubber, Elastomers, Others) Applications (Packaging, Medical devices, Printed Circuit Board, LED Mounting, Aircraft Interior Applications, Others), End-User Industries (Energy & Power, Consumer Electronics, Transportation, Textile, Medical, Others). The report examines the market drivers and restraints and the impact of

Covid-19 on the market growth in detail. The study covers and includes emerging market trends, development, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

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- O Industrial Adhesives
- ont
- ax Corporation
- xy Technology Inc.,
- Fuller
- kel AG & Co. KGaA
- AG
- ster Bond Inc.,
- nacol-Elasol GmbH
- rmabond LLC
- stik
- nka Company Ltd.

acon Adhesives* *List of companies is not exhaustive*

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