

Engineering Adhesives Market Report by Product (Epoxy, Polyurethanes, Cyanoacrylates, Methacrylates, and Others), Application (Transportation, Construction, Electrical and Electronics, Energy, and Others), and Region 2024-2032

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Report description:

The global engineering adhesives market size reached US\$ 20.8 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 32.3 Billion by 2032, exhibiting a growth rate (CAGR) of 4.9% during 2024-2032. The growing employment for potting and masking purposes in consumer electronics, increasing adoption in the manufacturing of helicopter blades, and rising demand for efficient adhesives represent some of the key factors driving the market.

Engineering adhesives are strong joining substances applied to various surfaces for binding them together. They comprise a liquid formulation that is necessary for easily spreading the adhesives over a surface and making intimate molecular contacts with the substrates. They are monomers when applied on substances and later polymerize to become a high molecular weight polymeric adhesive. Engineering adhesives are used to join a wide variety of materials, such as metals, plastics, rubber, fiber composites, wood, and paper products. These adhesives are capable of joining dissimilar materials to create lightweight yet strong and stiff structures. They offer an improved stress distribution in the joints and impart better dynamic fatigue resistance to the bonded components. They also provide design flexibility, which enables designers to implement novel design concepts by using numerous types of materials. They improve the appearance of the joined structure and offer a blemish-free and smooth texture. They also provide improved corrosion resistance compared to spot welding methods. Furthermore, as they possess high optical transparency or opacity and fast-setting capabilities, the demand for engineering adhesives is increasing around the world.

Engineering Adhesives Market Trends:

At present, the rising demand for engineering adhesives, as they are easy to handle and heat and chemical resistant, represents one of the primary factors influencing the market positively. Besides this, the increasing adoption of engineering adhesives in the manufacturing of helicopter blades is propelling the growth of the market. In addition, the growing employment of engineering

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adhesives for potting and masking purposes in consumer electronics and other products with electrical properties is offering a favorable market outlook. Apart from this, the increasing utilization of engineering adhesives in the automotive industry to join various vehicular parts, improve vehicle dynamics, and stiffen the overall body structure of cars is contributing to the growth of the market. Additionally, the rising demand for efficient adhesives, such as polychloroprene rubber and urethane, in the manufacturing of commercial and military aircraft and maintaining elastomeric structures is supporting the market growth. Moreover, key market players are manufacturing various high-viscosity variants of engineering adhesives that are efficient in gasketing materials. Furthermore, the increasing demand for plywood for building and construction purposes and in furniture making is bolstering the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global engineering adhesives market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on product and application.

Product Insights:

- Epoxy
- Polyurethanes
- Cyanoacrylates
- Methacrylates
- Others

The report has provided a detailed breakup and analysis of the engineering adhesives market based on the product. This includes epoxy, polyurethanes, cyanoacrylates, methacrylates, and others. According to the report, epoxy represented the largest segment.

Application Insights:

- Transportation
- Construction
- Electrical and Electronics
- Energy
- Others

A detailed breakup and analysis of the engineering adhesives market based on the application has also been provided in the report. This includes transportation, construction, electrical and electronics, energy, and others. According to the report, transportation accounted for the largest market share.

Regional Insights:

- North America
 - o□United States
 - o□Canada
- Asia-Pacific
 - o□China
 - o□Japan
 - o□India
 - o□South Korea
 - o□Australia
 - o□Indonesia
 - o□Others
- Europe
 - o□Germany
 - o□France

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- o United Kingdom
- o Italy
- o Spain
- o Russia
- o Others
- Latin America
- o Brazil
- o Mexico
- o Others
- Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (the United Kingdom, Germany, France, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others) was the largest market for engineering adhesives. Some of the factors driving the Asia Pacific engineering adhesives market included the growing construction activities, rising production of automobiles, increasing demand for heavy machinery in industries, etc.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global engineering adhesives market. Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided. Some of the companies covered include 3M Company, Arkema, Ashland, Dow Inc, Dymax Corporation, H.B. Fuller Company, Henkel AG & Co. KGaA, Huntsman Corporation, LORD Corporation (Parker Hannifin Corp), Permabond LLC, Sika AG, etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report

1. How big is the global engineering adhesives market?
2. What is the expected growth rate of the global engineering adhesives market during 2024-2032?
3. What are the key factors driving the global engineering adhesives market?
4. What has been the impact of COVID-19 on the global engineering adhesives market?
5. What is the breakup of the global engineering adhesives market based on the product?
6. What is the breakup of the global engineering adhesives market based on the application?
7. What are the key regions in the global engineering adhesives market?
8. Who are the key players/companies in the global engineering adhesives market?

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