

Acrylic Adhesives Market - Global Industry Size, Share, Trends, Opportunity & Forecast, Segmented By Technology (Water-Based, Solvent Based, Reactive, Others), By Application (Packaging, Construction, Wood & Furniture, Transportation, Electrical & Electronics, Consumer Goods, Medical Devices, Others), By Region & Competition, 2020-2030F

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Report description:

Market Overview

The Acrylic Adhesives market was valued at USD 9.06 Billion in 2024 and is expected to reach USD 13.06 Billion by 2030 with a CAGR of 6.28%. The global acrylic adhesives market is witnessing consistent and opportunity-driven growth, fueled by its increasing integration into high-demand sectors such as packaging, automotive, construction, electronics, and healthcare. Known for their high-performance bonding across diverse substrates, acrylic adhesives offer a compelling solution in applications where durability, environmental resistance, and process efficiency are critical. Their ability to support modern assembly methods, lightweight material use, and regulatory compliance makes them indispensable across value-driven manufacturing chains. The market is positioned for sustained expansion, supported by the rising demand for specialized, eco-compliant adhesive technologies that address the technical and regulatory requirements of next-generation products. This growth is particularly evident in emerging economies undergoing industrialization, as well as in developed markets where innovation and sustainability remain core strategic drivers. As end-users increasingly seek customized, performance-optimized bonding solutions, acrylic adhesives are set to play a pivotal role in enabling both product differentiation and operational efficiency across industries.

Key Market Drivers

Growing Automotive Production and Shift Toward Lightweight Vehicles

The global acrylic adhesives market is witnessing strong momentum from the automotive industry, fueled by expanding vehicle production volumes and an industry-wide transition toward lightweight vehicle manufacturing. As automakers push for improved

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fuel efficiency, reduced emissions, and enhanced structural performance, acrylic adhesives have become an essential material, offering superior bonding solutions that align with evolving automotive design and engineering priorities. Traditionally, the automotive sector relied heavily on rivets, welds, bolts, and other mechanical fasteners for component assembly. However, these conventional methods add significant weight and limit design flexibility. In contrast, acrylic adhesives offer a lightweight, high-strength alternative that can bond dissimilar materials such as plastics, metals, composites, and glass. By replacing mechanical fasteners with acrylic adhesives, manufacturers can reduce overall vehicle weight supporting improved fuel economy and compliance with emission regulations such as CAFE (Corporate Average Fuel Economy) and Euro 6 standards.

Modern vehicles increasingly incorporate multi-material structures to balance weight, safety, and performance. These combinations like aluminum with carbon fiber, or steel with plastic require advanced adhesives that can deliver durable, long-lasting bonds without compromising material integrity. Acrylic adhesives are especially suited for these applications due to their strong adhesion to diverse substrates, thermal resistance, and elasticity, allowing them to absorb stress and vibration while maintaining bond strength. Automakers are seeking greater design freedom to meet both functional and aesthetic goals. Acrylic adhesives allow for clean, seamless bonding without visible fasteners or weld marks. This is particularly important in attaching interior trim, emblems, and glass components, where surface smoothness and visual appeal are critical. Furthermore, acrylic adhesives offer fast-setting and low-VOC options, which help streamline assembly processes and reduce environmental impact during manufacturing.

Global cumulative sales of highway-legal light-duty plug-in electric vehicles (PEVs) have demonstrated accelerated momentum over the past decade. The market surpassed 1 million units by September 2015, reached 5 million by the end of 2018, and crossed the 10 million mark in 2020, reflecting rapid adoption fueled by supportive policies, expanding model availability, and technological advancements. By mid-2022, the global PEV fleet had more than doubled to over 20 million units in operation worldwide, signaling a decisive shift toward electrification in the light-duty vehicle segment. The global shift toward electric and hybrid vehicles has introduced new challenges for bonding components like battery packs, powertrain systems, sensors, and lightweight enclosures. Acrylic adhesives are increasingly used in these applications for their thermal conductivity, electrical insulation, and resistance to chemicals and temperature fluctuations. Their ability to maintain adhesion under harsh conditions makes them ideal for the battery assembly, wire harnessing, and thermal management systems used in EVs.

Key Market Challenges

Volatility in Raw Material Prices and Supply Chain Disruptions

A key challenge facing the acrylic adhesives market is the fluctuation in raw material prices, particularly those derived from petrochemical feedstocks such as acrylic acid, esters, and resins. These materials are sensitive to global oil prices, geopolitical tensions, and changes in supply-demand dynamics. Sudden price hikes or shortages can significantly increase production costs for adhesive manufacturers, squeezing profit margins and reducing price competitiveness especially in cost-sensitive markets like Asia-Pacific and Latin America.

Additionally, supply chain disruptions, such as those witnessed during the COVID-19 pandemic or regional trade conflicts, have exposed vulnerabilities in sourcing critical raw materials. This has led to production delays, inventory challenges, and inconsistent product availability, all of which hinder market growth and customer retention.

Key Market Trends

Integration of Acrylic Adhesives into Smart Manufacturing and Modular Assembly Systems

As industries shift toward Industry 4.0 and smart manufacturing environments, the demand for adhesives that seamlessly integrate with automated, high-speed, and modular production lines is rising. Acrylic adhesives particularly UV-curable and water-based variants are gaining traction due to their fast setting time, process compatibility, and clean application characteristics.

In automotive and electronics assembly, manufacturers are increasingly moving away from slow-curing, labor-intensive bonding methods. Instead, they're adopting pre-applied or inline-dispensed acrylic adhesives that can be cured instantly via UV exposure or heat during automated assembly. This shift allows OEMs to minimize production downtime, improve product consistency, and reduce material waste making acrylic adhesives a key enabler in digital manufacturing ecosystems.

This trend is especially pronounced in Asia-Pacific and North America, where automotive EV battery plants, flexible electronics factories, and appliance production facilities are being designed for high-throughput operations requiring precision bonding with

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minimal human intervention.

Key Market Players

- 3M Company
- Henkel AG & Company
- Covestro LLC
- Bostik
- Sikka AG
- HB Fuller Co
- Huntsman Corp
- Avery Dennison Corp
- Pidilite Limited Industries
- Royal Adhesives and Sealants LLC

Report Scope:

In this report, the Global Acrylic Adhesives Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

-□Acrylic Adhesives Market, By Technology:

- o Water-Based
- o Solvent Based
- o Reactive
- o Others

-□Acrylic Adhesives Market, By Application:

- o Packaging
- o Construction
- o Wood & Furniture
- o Transportation
- o Electrical & Electronics
- o Consumer Goods
- o Medical Devices
- o Others

-□Acrylic Adhesives Market, By Region:

- o North America
 - United States
 - Canada
 - Mexico
- o Europe
 - France
 - United Kingdom
 - Italy
 - Germany
 - Spain
- o Asia-Pacific
 - China
 - India
 - Japan
 - Australia
 - South Korea
- o South America

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- Brazil
- Argentina
- Colombia
- o Middle East & Africa
- South Africa
- Saudi Arabia
- UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Acrylic Adhesives Market.

Available Customizations:

Global Acrylic Adhesives market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

-□Detailed analysis and profiling of additional market players (up to five).

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