

Global Polyurethane Adhesives Market Outlook to 2027

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Abstracts

Polyurethane Adhesives are also called elastic glue, and it is a polymer formed by the reaction of polyol & isocyanates, made up of linear polymer chain units connected by carbamate or urethane bonds adhesives are weather resistant and have flexible curing time at ambient & extreme temperatures. According to BlueQuark Research & Consulting, the global Polyurethane Adhesives market is expected to witness a significant growth rate during the forecasted period. Factors like the increasing demand for Polyurethanes Adhesives in the Building & Construction industry due to their properties like excellent weather resistance, durability, etc., are expected to drive the global Polyurethanes Adhesives market. Further, the growth of the automotive industry due to the increased production of commercial & passenger vehicles with growing demand for lightweight components has boosted the demand for Polyurethanes Adhesives. Furthermore, the usage of Solvent-based polyurethane adhesives is increased as expected to raise the need of the Polyurethane Adhesives market. However, the vitality of the cost of petrochemical-based raw materials coupled with the stagnation of production can adversely affect the profitability of the industry & influence the developments of the polyurethanes adhesives market.

Polyurethane Adhesives are employed in automobiles, building & construction, packaging, aerospace, electrical & electronics, locomotives, and optical due to their versatility in operations.

Polyurethane Adhesives and sealants have rapid curing and low strength properties, making them an excellent choice for woodworking and other construction applications. They provide the high strength required to hold construction materials together, and the use of Polyurethane adhesives to construct wood furniture eradicates the need for screws and nails. This means the overall aesthetic form of the wood furniture is

maintained, while the time and performance required to drill holes for the pins are eliminated. This material is versatile in product assembly adhesives and suits plastics, glass, PVFs, aluminum, stainless steel, regardless of the firmness of bond substrates. Hot-melt technology stands out for window sealants, gaskets, fabrics, and light metal applications. Polyurethane hot-melt adhesives' ease of use and quick curing time has applications in flooring, countertops, and shower walls. Plastic-based design floors are the present-day drift-in floorings, and they can be laminated with transparent foils. Polyurethane hot melt adhesives play a crucial role in manufacturing design floors by applying on the inverse side of foils. The high strength and longevity for kitchens and bathroom cabinets, like floor and shower walls, can be achieved with moisture-resistant polyurethane hot-melt adhesives.

Some of the market's key players are The 3M Company, Arkema Group, The Dow Chemical Company, H.B. Fuller Company, and Henkel AG & Co. KGaA.

The Asia-Pacific region is a thriving market for Polyurethanes Adhesives owing to the increasing demand from automotive & transportation and footwear. Polyurethane Adhesives are used extensively in this application for improving performance, developing lightweight designs, and fabricating structures using multi-materials, such as glass fiber-reinforced composite, carbon fiber composites, and aluminum. Automobile manufacturing is worn for joining rubber, plastics, glass, metal, and other materials. In automobile manufacturing, they join rubber, plastics, glass, metal, and other materials. Solvent-borne PU adhesives comprise a hydroxyl-terminated polyurethane with a high molecular weight, dissolved in a solvent. Thermoplastic polyurethane adhesives are comparatively expensive, and these are extensively used in structural and load-bearing applications as their properties like adjustable sealing temperature, high tack, and ability to adhere to different surfaces such as metal PVC, rubber, wood, and leather. Footwear is also a productive segment of the polyurethane adhesive market, led by the rising demand for innovative footwear design, particularly in Southeast Asia, Indonesia, and Vietnam.

August 2021, Arkema Group announced the acquisition of Ashland Performance Adhesives, a leader in high-performance adhesives for industrial applications, boosts its portfolio in the United States adhesive and sealant market.

September 2020, Toyochem Co., Ltd. launched a new Cyabine series of ultra-high solids polyurethane pressure-sensitive adhesives. The solvent and volatile content of this adhesive are reduced to a minimum limit.

Global Polyurethane Adhesives Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Polyurethane adhesives market by segmenting based on Resin Type (Thermoset, Thermoplastic), Technology (Water Borne, Solvent-borne, Hot Melt, Others), End-use Industry (Automotive, Aerospace, Building and Construction, Electrical and Electronics, Footwear and Leather, Healthcare, Packaging, 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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