

# **Polyurethane Sealants (Pu) Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (One-Component, Two-Component), By Application (Glazing, Flooring And Joining, Concrete Joints, Submerged, Sanitary And Kitchen), By End-User**

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## **Abstracts**

The Polyurethane Sealants (Pu) Market is valued at USD 3.8 billion in 2025 and is projected to grow at a CAGR of 5.2% to reach USD 6 billion by 2034. The global polyurethane (PU) sealants market is witnessing steady growth, driven by rising demand across the construction, automotive, and industrial sectors. These sealants are known for their superior adhesion, flexibility, and durability, making them a preferred choice for sealing joints, preventing leaks, and enhancing structural integrity. Increasing infrastructure projects, particularly in developing economies, have significantly boosted demand for PU sealants in residential and commercial applications. Additionally, their resistance to weathering, moisture, and chemicals makes them ideal for long-lasting performance in extreme environments. Automotive manufacturers are also adopting PU sealants for improved vehicle assembly, reducing noise, vibration, and harshness (NVH). The market is further benefiting from sustainability trends, with manufacturers developing low-VOC and environmentally friendly PU sealants to comply with regulatory standards and meet the growing preference for green building materials. The polyurethane sealants market experienced significant advancements, particularly in eco-friendly formulations and high-performance variants. Manufacturers have increasingly focused on low-emission, solvent-free, and bio-based PU sealants to align with stringent environmental regulations. The construction sector witnessed a surge in demand due to rapid urbanization and infrastructure development, particularly in Asia-Pacific and the Middle East. In the automotive industry, PU sealants played a crucial role in improving vehicle aerodynamics and enhancing durability, especially in electric vehicles (EVs), where lightweight and energy-efficient materials are essential. Additionally, hybrid PU

sealants, combining polyurethane and silicone properties, gained traction due to their improved weather resistance and elongation capabilities. The market also saw greater adoption of advanced application techniques, including automated dispensing systems, to enhance efficiency and precision. The polyurethane sealants market is expected to witness continued growth, driven by innovations in material science and application technology. AI-driven quality control systems and robotics in sealant application processes will enhance productivity and reduce material wastage. The emphasis on sustainable construction will further propel demand for green-certified PU sealants with reduced environmental impact. Additionally, the push for smart infrastructure and intelligent building solutions will drive the need for sealants with enhanced thermal and acoustic insulation properties. In the automotive sector, the increasing production of EVs will continue to create opportunities for high-performance PU sealants that contribute to vehicle efficiency and durability. Moreover, emerging economies will witness rising adoption of polyurethane sealants as governments invest in large-scale infrastructure projects. The integration of nanotechnology into PU sealants is also expected to improve mechanical properties, chemical resistance, and overall longevity, further strengthening the market's growth trajectory.

### Key Insights Polyurethane Sealants (Pu) Market

**Eco-Friendly and Low-VOC Formulations:** Manufacturers are prioritizing low-VOC and solvent-free polyurethane sealants to meet stringent environmental regulations and cater to the growing demand for sustainable building materials.

**Hybrid Polyurethane Sealants Gaining Popularity:** The development of hybrid sealants that combine the advantages of polyurethane and silicone is gaining traction, offering enhanced durability, flexibility, and weather resistance.

**Increased Adoption in Electric Vehicles (EVs):** The rise of EV production is driving demand for PU sealants that provide superior bonding, thermal insulation, and lightweight properties, enhancing vehicle efficiency.

**Automation in Application Processes:** The use of robotic and AI-assisted application systems is improving precision, reducing material wastage, and enhancing the consistency of PU sealant application in industrial and construction settings.

**Advancements in Nanotechnology-Enhanced Sealants:** The incorporation of nanomaterials into PU sealants is enhancing their mechanical strength, UV

resistance, and chemical durability, increasing their lifespan and performance.

**Growing Construction and Infrastructure Projects:** Rising urbanization and large-scale infrastructure development in emerging economies are fueling demand for durable and long-lasting polyurethane sealants in residential, commercial, and industrial applications.

**Stringent Environmental Regulations:** Governments worldwide are implementing stricter regulations on VOC emissions, driving the shift toward environmentally friendly, low-emission polyurethane sealants.

**Expanding Automotive Industry:** The increasing production of vehicles, particularly EVs, is boosting demand for PU sealants that improve bonding, reduce noise, and enhance overall vehicle durability.

**Advancements in Material Technology:** Continuous research and development in polyurethane formulations, including bio-based and high-performance sealants, are expanding application possibilities across industries.

**Fluctuating Raw Material Prices:** The volatility in raw material costs, particularly petroleum-based components used in polyurethane production, poses a significant challenge for manufacturers, affecting pricing and profit margins in the market.

## Polyurethane Sealants (Pu) Market Segmentation

### By Type

One-Component

Two-Component

### By Application

Glazing

Flooring And Joining

Concrete Joints

Submerged

Sanitary And Kitchen

#### By End-User

Building And Construction

Automotive

General Industrial

Marine

Aerospace

Other End-Users

#### Key Companies Analysed

3M Company

Arkema SA

Asian Paints Ltd.

Badische Anilin- und Sodafabrik

The Dow Chemical Company

Sika AG

H.B. Fuller India Adhesives Pvt Ltd.

Henkel AG & Company KGaA

Mapei S.P.A.

Itw Polymer Sealants North America Inc.

Soudal N.V.

Hodgson Sealants Ltd

Pidilite Industries Limited

Akzo Nobel N.V.

RPM International Inc.

Wacker Chemie AG

Huntsman Corporation

Avery Dennison Corporation

Bostik SA

Chemence Inc.

Dicks-Armstrong-Pontius

Franklin International Inc.

General Electric Company

Illinois Tool Works Inc.

Jowat SE

Kumkang Korea Chemicals Co. Ltd.

LORD Corporation

Momentive Performance Materials Inc.

PPG Industries Inc.

Royal Adhesives & Sealants LLC

SABA Dinxperlo B.V.

Sashco Inc.

Selena Group

Tremco Incorporated

W. L. Gore & Associates Inc.

Weicon GmbH & Co. KG

Worthen Industries Inc.

## Polyurethane Sealants (Pu) Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

## Polyurethane Sealants (Pu) Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial

performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

## Countries Covered

North America — Polyurethane Sealants (Pu) market data and outlook to 2034

United States

Canada

Mexico

Europe — Polyurethane Sealants (Pu) market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Polyurethane Sealants (Pu) market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Polyurethane Sealants (Pu) market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Polyurethane Sealants (Pu) market data and outlook to 2034

Brazil

Argentina

Chile

Peru

*\* We can include data and analysis of additional countries on demand.*

## Research Methodology

This study combines primary inputs from industry experts across the Polyurethane Sealants (Pu) value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

## Key Questions Addressed

What is the current and forecast market size of the Polyurethane Sealants (Pu) industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

## Your Key Takeaways from the Polyurethane Sealants (Pu) Market Report

Global Polyurethane Sealants (Pu) market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Polyurethane Sealants (Pu) trade, costs, and supply chains

Polyurethane Sealants (Pu) market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Polyurethane Sealants (Pu) market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Polyurethane Sealants (Pu) market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Polyurethane Sealants (Pu) supply chain analysis

Polyurethane Sealants (Pu) trade analysis, Polyurethane Sealants (Pu) market price analysis, and Polyurethane Sealants (Pu) supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Polyurethane Sealants (Pu) market news and developments

## Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

*\* The updated report will be delivered within 3 working days*

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