

Anaerobic Adhesives Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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Report description:

The Global Anaerobic Adhesives Market reached USD 715.4 million in 2024 and is projected to expand at a steady CAGR of 5.5% from 2025 to 2034. This growth can be attributed to the increasing demand for reliable, high-performance bonding solutions across various industries, particularly automotive, aerospace, and electronics. These sectors require adhesives that can withstand harsh conditions such as extreme temperatures, vibrations, and corrosive environments. Anaerobic adhesives play a pivotal role in ensuring the stability and reliability of components in these demanding applications. With advancements in manufacturing technology and a heightened focus on innovation, the market is witnessing a surge in demand, further driving the adoption of anaerobic adhesives.

The market is segmented by product type, with key categories including thread lockers, gasket sealants, thread sealants, retaining compounds, structural adhesives, and others. Among these, threadlockers dominate the market, contributing USD 263.7 million in 2024. Designed to secure threaded fasteners, thread lockers prevent loosening caused by vibrations, thermal expansion, or external forces. They are essential for industries like automotive and aerospace, where maintaining component integrity is critical. Threadlockers have also become increasingly popular due to their ability to replace mechanical fasteners, which simplifies assembly processes and enhances overall performance.

In terms of adhesive types, the anaerobic adhesives market is divided into acrylic, silicone, butyl, and other variations. Acrylic adhesives hold the largest share, accounting for 49% of the market in 2024. Renowned for their superior bonding properties, acrylic-based anaerobic adhesives offer excellent adhesion to metals and demonstrate remarkable resistance to chemicals, heat, and vibrations. These qualities make them ideal for a wide range of industrial applications, including thread locking, retaining compounds, and gasket sealing. Furthermore, acrylic adhesives are known for their fast curing time and cost-effectiveness, making them a preferred choice for industries such as automotive, aerospace, and manufacturing.

The U.S. anaerobic adhesives market was valued at USD 172.9 million in 2024, with demand primarily driven by the automotive,

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aerospace, electronics, and medical device sectors. These industries require high-performance bonding solutions to ensure the durability and reliability of their components. The U.S. market benefits from its advanced manufacturing capabilities and a strong focus on technological innovation, both of which contribute to the growing adoption of anaerobic adhesives. The presence of major industrial players and a well-established customer base further support the market's expansion, positioning the U.S. as a key player in the global anaerobic adhesives market.

Table of Contents:

Report Content

Chapter 1 Methodology & Scope

- 1.1 Market scope & definition
- 1.2 Base estimates & calculations
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid sources
 - 1.4.2.2 Public sources

Chapter 2 Executive Summary

- 2.1 Industry synopsis, 2021-2034

Chapter 3 Industry Insights

- 3.1 Industry ecosystem analysis
 - 3.1.1 Factor affecting the value chain
 - 3.1.2 Profit margin analysis
 - 3.1.3 Disruptions
 - 3.1.4 Future outlook
 - 3.1.5 Manufacturers
 - 3.1.6 Distributors
 - 3.2 Supplier landscape
 - 3.3 Profit margin analysis
 - 3.4 Key news & initiatives
 - 3.5 Regulatory landscape
 - 3.6 Impact forces
 - 3.6.1 Growth drivers
 - 3.6.1.1 Rising applications in automotive and aerospace
 - 3.6.1.2 Growth in electronics and medical sectors
 - 3.6.1.3 High demand for durable bonding solutions
 - 3.6.2 Industry pitfalls & challenges
 - 3.6.2.1 Limited effectiveness on certain materials
 - 3.6.2.2 High sensitivity to application conditions
 - 3.7 Growth potential analysis
 - 3.8 Porter's analysis
 - 3.9 PESTEL analysis
- #### Chapter 4 Competitive Landscape, 2024
- 4.1 Introduction
 - 4.2 Company market share analysis

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4.3 Competitive positioning matrix

4.4 Strategic outlook matrix

Chapter 5 Market Size and Forecast, By Product Type, 2021-2034 (USD Million) (Kilo Tons)

5.1 Key trends

5.2 Threadlockers

5.3 Retaining compounds

5.4 Gasket sealants

5.5 Thread sealants

5.6 Structural adhesives

5.7 Others

Chapter 6 Market Size and Forecast, By Adhesive Type, 2021-2034 (USD Million) (Kilo Tons)

6.1 Key trends

6.2 Acrylic

6.3 Silicone

6.4 Butyl

6.5 Others

Chapter 7 Market Size and Forecast, By Substrate Type, 2021-2034 (USD Million) (Kilo Tons)

7.1 Key trends

7.2 Plastics

7.3 Metal

7.4 Rubber

7.5 Others

Chapter 8 Market Size and Forecast, By End Use 2021-2034 (USD Million) (Kilo Tons)

8.1 Key trends

8.2 Manufacturing

8.3 Automotive

8.4 Electronics

8.5 Aerospace

8.6 Construction

8.7 Others

Chapter 9 Market Size and Forecast, By Region, 2021-2034 (USD Million) (Kilo Tons)

9.1 Key trends

9.2 North America

9.2.1 U.S.

9.2.2 Canada

9.3 Europe

9.3.1 UK

9.3.2 Germany

9.3.3 France

9.3.4 Italy

9.3.5 Spain

9.3.6 Russia

9.4 Asia Pacific

9.4.1 China

9.4.2 India

9.4.3 Japan

9.4.4 South Korea

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- 9.4.5 Australia
- 9.5 Latin America
 - 9.5.1 Brazil
 - 9.5.2 Mexico
- 9.6 MEA
 - 9.6.1 South Africa
 - 9.6.2 Saudi Arabia
 - 9.6.3 UAE
- Chapter 10 Company Profiles
 - 10.1 3M Company
 - 10.2 Anabond Limited
 - 10.3 Chemence Ltd.
 - 10.4 Cyberbond LLC
 - 10.5 DELO Industrial Adhesives
 - 10.6 H.B. Fuller
 - 10.7 Henkel AG & Co. KGaA
 - 10.8 Hernon Manufacturing, Inc.
 - 10.9 Illinois Tool Works Inc.
 - 10.10 LORD Corporation
 - 10.11 Parson Adhesives, Inc.
 - 10.12 Permabond Engineering Adhesives
 - 10.13 Royal Adhesives & Sealants, LLC
 - 10.14 RS Industrial, Inc.
 - 10.15 ThreeBond Holdings Co., Ltd.

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