

Anaerobic Adhesive Market, Size, Share, Growth, Evaluation, 2021-2028 | DataM Intelligence

The Global Anaerobic Adhesive Market is expected to grow at a CAGR during the forecasting period (2021-2028).



Cleveland, Ohio Nov 3, 2021 ([IssueWire.com](https://www.IssueWire.com)) - Market Overview

Anaerobic adhesives are typically used to secure the seal of a mechanically joined assembly. When combined with the different groups, these adhesives reduce component inventories, enhance equipment

reliability, decrease total manufacturing costs, minimize aftermarket failure and associated warranty problems.

Moreover, these adhesives remain in liquid form until it is in the absence of oxygen in the presence of metal ions. As the adhesive is placed in a bond line and the oxygen is restricted, restorative proceeds quite rapidly. In addition, this adhesive is thermosets, and the resulting bonds have high resistance and high strength to heat, making these joints very brittle that is not suitable for flexible substrates and can be used to join relatively small gaps up to 0.1 mm.

Furthermore, their bonding function is often simultaneously used for their sealing properties because they are resistant to oils, solvents, and moisture. All these properties make this adhesive suitable for installing engines in the automotive industry. Other typical application areas are securing screws and bonding concentric parts, e.g., in bearings and electric motors.

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Market Dynamics

The global anaerobic adhesives market is increasing from fastening, adhesion, sealing, or curing two metals. Moreover, the anaerobic adhesives are environment-friendly, non-toxic to human health, and can seal securely at room temperature. Adhesives like thread locker prevent corrosion or loosening of the fastener and display properties of controlled torque from removing the assembly and maintaining proper clamping force.

Increasing demand for thread locker, environmental issues, and government regulation is expected to boost the demand for the anaerobic adhesive market in the forecast period. In addition, anaerobic adhesives are used in gasket and flange sealant to create leak-proof secure fastening between mating flanges will contribute to the growth of the anaerobic adhesives market.

According to analysis, the automation industry is expected to generate around 214 billion USD worldwide by 2021 and will increase in the forecast period. Moreover, automation is an important factor in most modern industries and software development industries as it is vital to technology, engineering, and scientific research. Software development industries alone are expected to be worth 43 billion USD in 2021. The increase in demand for software and automation will increase the demand for the electrical & electronics industries, further increasing the demand for anaerobic adhesive in the forecast period.

Furthermore, the aviation industry had a projected need for 40,000 new aircraft, which include planes, helicopters, air taxis, and unmanned aerial vehicles in the next 20 years. Increasing demand for aviation industries will increase the production of adhesive, which will increase the market growth.

However, the reduction of component inventories, manufacturing costs, and the increase in the manufacturing equipment's reliability will increase the demand for anaerobic adhesive. Anaerobic adhesive demand will be increased due to automobile, electrical & electronic, and transportation industries.

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Segmentation Analysis

By Type

- Thread Locker
- Thread Sealants
- Retaining Compounds
- Gasket & Flange Sealants

By Substrate

- Metals
- Plastics
- Others

By Chemical & Polymer

- Acrylate
- Polyurethane
- Silicones
- Polyester/Vinyl Ester
- Vinyl/PVC

By Standard

- ASTM D5363
- BS EN 15275
- BS 5350-G2
- DIN EN 15865

By End-User

- Automotive & Transportation
- Electrical & Electronics
- Industrial
- Optical
- Tooling Application
- Others

By Region

- North America
- Europe
- South America
- Asia Pacific
- The Middle East and Africa

Competitive Landscape

The anaerobic adhesives market is fragmented with the presence of regional and global players. The competitive outline lies with the increase in the regional company and growing investment in upstream application. Kisling AG, H.B. Fuller, 3M Company, Henkel, Illinois Tool Works, Three Bond International, Delta Adhesives, DELO, Permabond LLC, Kisling AG, Royal Adhesives & Sealants are the major player in the adhesive market. The major players are adopting many growth strategies such as product

launches, acquisitions, and collaborations, contributing to growing the anaerobic adhesives market globally.

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