

Global Polythioether Market Outlook to 2027

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Abstracts

Polythioethers are compounds with mercaptans or thioether function in the backbone usually prepared by reacting sodium sulfide with dichloro compounds. According to BlueQuark Research & Consulting, the global Polythioether market is expected to witness a considerable growth rate during the forecast period. Factors such as the growing demand for Polythioether as the base polymer for sealants, gaskets, O-rings, and as a hardener for adhesives and coating in various industries like Aerospace, Marine, and construction are driving the Polythioether market of the future. However, the extensive use of fluorocarbon and perfluorocarbon in the industry could hamper the growth of Polythioether in the forecasted years. However, hazardous chemicals such as toluene, methylene chloride, and N-propyl bromide used for sealant removal from aircraft and other products could hamper the growth of Polythioether in the forecasted years.

Polythioethers finds its application as an aerospace sealant, adhesives, silicone sealants and caulks, gaskets, and O-rings with various end-users like aerospace industry, marine industry, construction, and polymer processing industry.

The Aircraft industry is the prime consumer of Polythioether globally and is expected to drive the future Polythioether market. As the common solvent and fuels could degrade aircraft materials, this leads to additional maintenance costs, unplanned ground time of the aircraft, and a possibility of a catastrophic failure. These challenges promote the industry to use Polythioether due to its low cost, excellent chemical and weather resistance, high impermeability, and good heat insulation properties have increased Polythioether consumption. With the country's increasing safety norms, efforts are being made to make air travel safer for passengers. The increasing dependency of humans on airplanes as the fastest transportation mode between two locations further propels the global Polythioethers market. Airbus estimates a growth of 4.3% annually in air traffic, requiring over 39,000 new passengers and freighter aircraft over the next 20

years. This expected rise could prove to be a significant boost to the Polythioether market. The Covid-19 harmed the airline sector, and planes being grounded for over eight months in certain parts of the world. Despite the pandemic, the experts expect a speedy recovery with aircraft flying at their maximum capacity by the end of this year, thus increasing the demand for Polythioether in years to come.

Major key players in the industry were Arkema , Chevron Phillips Chemical , Toray Fine Chemicals , Bruno Bock Group , Nouryon , and Lanxess Rhein Chemie , among others.

The Asia Pacific is expected to dominate the Polythioether market in the forecasted year. This growth is attributed to the increasing demand in the aerospace and construction industry in the region. The increasing population and increasing disposable income of the people could make air travel a viable mode of transportation. Asia is expected to account for about 40% of the future aircraft production. China is expected to lead the Polythioether market in terms of aviation requirements. The International Air Transport (IATA) predicts that by 2036 there would be additional 2.1 billion travelers traveling each year, double today's volume. Since the market in China is enormous, both domestic and internationally, it is expected that 20% of the future airline production would take place in China. The increasing urbanization in the APAC region increases the demand for low-cost living and office spaces, thus witnessing a surge in construction and building activities. With all the emerging countries like India, China, Japan, Indonesia, Singapore, and Australia making extensive coastline, these countries are experiencing a growth in demand for luxury ships and boats, making the marine industry a rapidly developing sector. The increasing Marine, Aerospace, and Construction Industries are expected to drive the Polythioether market in the forecasted years.

Global Polythioether Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Polythioether market by segmenting based on the Type (Synthetic Polythioether, Natural Polythioether), End-User Industry (Aerospace, Marine, Construction, Polymer Processing, Others and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). 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 share, trends, developments, opportunities, market segment, and challenges in the industry. This report covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

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