

Global Polyisoprene Market Outlook to 2027

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Abstracts

Polyisoprene is a group of mixtures that are synthetic polymers produced by polymerizing petroleum-derived raw materials, also a polymer of isoprene found in the latex of *Hevea Brasiliensis* trees and is identified as natural rubber. According to BlueQuark Research and Consulting, the global Polyisoprene market is expected to witness a significant growth rate during the forecasted period. Factors such as its growing demand for tires and automotive are the most effective application to drive the global polyisoprene market. Further, the use of medical elastomers for making gloves and other personal protective equipment is expected to drive the global Polyisoprene market. Furthermore, Polyisoprene is becoming a perfect substitute for natural rubber in the medical sector due to its flexible and light tensile strength and act as a driving factor for the Polyisoprene market. However, factors like strict government regulations regarding the use of plastic, environmental hazards regarding the disposal of polymers, the lack of elasticity, and the availability of substitutes will restrain the Global Polyisoprene market.

Polyisoprene is used to manufacture a wide range of products such as tires & automotive, rubber bands, cut thread, bottle nipples. Natural Gutta-percha & synthetic trans 1,4-Polyisoprene were used for golf balls. Other important uses include medical/health applications such as gloves and Sealants & adhesives.

The growth in the end-user industries is expected to be the major driving factor for developing the Polyisoprene elastomers market. The tires and automotive industries are the most dominant consumer of Polyisoprene globally and are determined to drive the future market. The synthetic elastomer can be mass-produced with the superficial level of branching, high molecular weight, and relatively narrower molecular weight distribution, contributing to softer heat build-up than natural rubber. Due to this, specific grades of Polyisoprene are used as an alternative to natural rubber in the trade of high service tires (truck, aircraft, off the road) without sacrificing abrasion resistance, groove

cracking, rib tearing, cold flex properties, or weathering resistance. The significant demand for fuel efficiency and eco-friendly tires are driving the tire industry and, in turn, the need for isoprene in the end-use industry. Due to its Polyisoprene high purity and the high gum (unfilled), a tensile strength of its compound, it is widely used in medical goods and food items. These include baby bottle nipples, milk tubing, & hospital sheeting.

Major global players in the industry were ZEON Corporation, Kent Elastomers Products Inc., Kraton Performance Polymers, Goodyear Chemical, JSR Corporation, Asahi Kasei Corporation, China Petroleum & Chemical Corporation (CNPC), Others.

The Asia Pacific region is stabilized by the ruler in the global production and then the subsequent consumption of Polyisoprene, with most of the consumption in the populated areas and countries. The high requirement of Polyisoprene for vehicles in China has been gradually increasing the demand for manufacturing tires. In addition, the consumption of poly isomers elastomers is growing in emerging such as China and India due to speedy economic growth and urbanization. As Polyisoprene is chemically related to natural rubber, it competes with it in most the application. Moreover, polyisoprene material has the added advantage of comfort and protection when compared to genuine gloves. However, synthetic rubber gloves are best for the health care sector due to their non-allergic specific and are expected to considerably contribute to the expansion of the global Polyisoprene market size. Therefore, the price of natural rubber determines the demand for Polyisoprene in that region. The extensive utilize of Polyisoprene products in the healthcare sector is providing the catalyst to market growth. Due to coronavirus disease increase the usage of medical gloves to minimize the spread of the virus, which drives the Polyisoprene market.

In August 2020, Cariflex Pte. Ltd announced that it would be constructing a new large-scale Polyisoprene latex plant at its Paulinia, Brazil.

Global Polyisoprene Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Polyisoprene market by segmenting based on the Order Type (Lithium Catalytic, Titanium Catalytic, Rare Earth Catalytic), Product (1,2 – Polyisoprene, trans 1,4 Polyisoprene, cis-1,4- Polyisoprene, 3,4 Polyisoprene), application (tires, and related Products, Latex Products, footwear, Non- Automotive Engineering, Adhesive and Sealants, Construction, Belting and Hose, others), end-use (Latex Products, Consumer goods, Industrial) and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report evaluates 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, developments, 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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Latex Elastomers Products, Inc

Chemicals

Corporation

Latex Corporation Sdn. Bhd.

Petroleum & Chemical Corporation

Corporation

Limited

Latex Corporation

Elastomers

Performance Polymers

Latex Chemical

Corporation

Polyisoprene

Glove Inc.

Petrochemical * *List of companies is not exhaustive*

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