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Polyisoprene Market Report by Type (Natural Polyisoprene, Synthetic Polyisoprene), Application (Tires and Related Products, Latex Products, Footwear, Non-Automotive Engineering, Belting and Hose, and Others), and Region 2024-2032

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Abstracts

The global polyisoprene market size reached 19.7 Million Tons in 2023. Looking forward, IMARC Group expects the market to reach 33.1 Million Tons by 2032, exhibiting a growth rate (CAGR) of 5.8% during 2024-2032.

Polyisoprene (C5H8) is a synthetic elastomer that exhibits similar characteristics as that of natural rubber. It can be naturally extracted from the sap of the Hevea Brasiliensis tree. On the other hand, polyisoprene can be produced industrially by the polymerization of the isoprene monomer. As compared to natural rubber, polyisoprene has better weather resistance and possesses a purer, more consistent and homogenous polymer structure. It is used in various applications that require low water swell, good resilience, good tack, high gum tensile strength, and high hot tensile strength.

Polyisoprene Market Trends:
Polyisoprene is increasingly being used as an alternative to natural rubber in the manufacturing of catheters, medical balloons, and surgical or medical gloves for better comfort and enhanced protection from pathogens. The extensive utilization of these products in the healthcare sector is providing an impetus to the market growth. In line with this, the onset of coronavirus disease (COVID-19) has facilitated the usage of medical gloves significantly to minimize the spread of the virus, which, in turn, is influencing the market growth. Moreover, there has been a rise in awareness regarding the usage of effective contraceptives to avoid sexually transmitted diseases (STDs) and

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unplanned pregnancies, which has contributed to the demand for wearable contraceptives. This is further supported by rapid investments by manufacturers to develop and market innovative condom designs. Other than this, leading polyisoprene manufacturers are focusing on research and development (R&D) activities to introduce improved products with high resealability and low needle penetration resistance. This is acting as another growth-inducing factor for the market.

Key Market Segmentation:
IMARC Group provides an analysis of the key trends in each segment of the global polyisoprene market report, along with forecasts at the global and regional levels from 2024-2032. Our report has categorized the market based on type and application.

Breakup by Type:

Natural Polyisoprene
Synthetic Polyisoprene

Breakup by Application:

Tires and Related Products
Latex Products
Footwear
Non-Automotive Engineering
Belting and Hose
Others

Regional Insights:

Natural Polyisoprene
China
India
United States
Japan
Thailand
Others
Synthetic Polyisoprene
Russia
United States
Japan

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China
Western Europe
Others

Competitive Landscape:
The competitive landscape of the industry has also been examined, along with the profiles of the key players.

Key Questions Answered in This Report

1. What was the global polyisoprene market size in 2023?
2. What will be the global polyisoprene market outlook during the forecast period (2024-2032)?
3. What is the impact of COVID-19 on the global polyisoprene market?
4. What are the global polyisoprene market drivers?
5. What are the major trends in the global polyisoprene market?
6. What is the global polyisoprene market breakup by application?

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Contents

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11 POLYISOPRENE: FEEDSTOCK ANALYSIS

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