

Global Polybutadiene Market Report and Forecast 2023-2028

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Report description:

Global Polybutadiene Market Report and Forecast 2023-2028

Market Outlook

According to the report by Expert Market Research (EMR), the global polybutadiene market reached a value of USD 7199.2 million in 2022. Aided by the increasing demand for synthetic rubber in various end-use industries, the market is projected to grow at a CAGR of 4.7% between 2023 and 2028 to reach a value of USD 9167.69 million by 2028.

Polybutadiene is a synthetic rubber that is created through the polymerisation of the 1,3-butadiene monomer. It is known for its high resistance to wear and tear, exceptional flexibility, and superior tensile strength. Polybutadiene is widely used in the production of tires, polymer modification, and industrial rubber applications, among others. The development of nanocomposites, which combine polybutadiene with nanoparticles, is expected to drive the demand for polybutadiene in various applications, including aerospace, automotive, and construction industries.

The global polybutadiene market is experiencing significant growth due to the increasing demand for synthetic rubber in various end-use industries. The automotive industry is the major consumer of polybutadiene, where it is used in tire manufacturing. The expansion of the automotive industry, coupled with the growing need for fuel-efficient and high-performance tires, is driving the demand for polybutadiene.

The incorporation of nanotechnology in the production of polybutadiene is gaining traction as it enhances the material's properties, such as strength, flexibility, and durability. The ongoing research and development in tire technologies, such as the introduction of self-sealing and run-flat tires, are expected to drive the polybutadiene market demand. These innovative tire technologies require high-performance materials like polybutadiene, which provide improved durability, flexibility, and wear resistance.

Additionally, the rising focus on green and sustainable technologies has led to the development of bio-based polybutadiene. This environmentally friendly alternative is gaining traction in the market, contributing to the global polybutadiene market growth. Furthermore, the increasing application of polybutadiene in other sectors such as electronics, construction, and aerospace is expected to propel the market growth during the forecast period.

The expanding polymer modification industry also plays a crucial role in driving the demand for polybutadiene, thus increasing the global polybutadiene market demand. Acrylonitrile-butadiene-styrene (ABS) resins and high-impact polystyrene (HIPS) both use

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polybutadiene as an impact modifier. These resins have extensive applications in the automotive, construction, and electronics industries, fuelling the demand for polybutadiene.

Market Segmentation

The market can be divided based on product, application, and region.

Market Breakup by Product

- High CIS Polybutadiene
- Low CIS Polybutadiene
- High Vinyl Polybutadiene
- High Trans Polybutadiene

Market Breakup by Application

- Tyre Manufacturing
- Polymer Modification
- Industrial Rubber Manufacturing

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and acquisitions and mergers, among other major developments, of the global polybutadiene companies. Some of the major key players explored in the report by Expert Market Research are as follows:

- ENEOS Corporation
- ARLANXEO Holding B.V.
- UBE Corporation
- Reliance Industries Limited
- Versalis SpA
- Others

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