

Global Bio-polybutadiene Market Size Study by Production Method (Bio-based Synthesis, Conventional Petrochemical Processes), Application (Automotive Tires, Adhesives and Sealants, Consumer Goods, Industrial Products), End User Sector (Automotive Industry, Construction Industry, Consumer Electronics, Healthcare), Formulation Type (Solid, Liquid), Quality Grade (Standard Grade, Highperformance Grade), and Regional Forecasts 2022-2032

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Abstracts

The Global Bio-polybutadiene Market, valued at approximately USD 0.83 billion in 2023, is projected to grow at an impressive compound annual growth rate (CAGR) of 10.94% over the forecast period 2024-2032.Bio-polybutadiene is gaining traction as a sustainable and high-performance elastomer, integral to industries such as automotive, consumer goods, and healthcare. Derived through advanced bio-based synthesis or conventional petrochemical processes, bio-polybutadiene provides a critical solution to the demand for environmentally friendly and durable materials.

The growing shift towards sustainability and the adoption of bio-based solutions is reshaping the landscape of polymer industries. Bio-polybutadiene, offering enhanced mechanical properties and reduced environmental footprints, is finding increasing utility in automotive tires, adhesives, and sealants. The rapid advancement in bio-synthesis technologies has further streamlined production, enabling the material to meet stringent quality requirements for high-performance applications, including healthcare and



consumer electronics.

The burgeoning adoption of bio-polybutadiene is fueled by its multifaceted applications and significant advancements in production methodologies. The automotive industry's drive for lightweight, energy-efficient, and durable materials positions bio-polybutadiene as a critical resource. Additionally, its compatibility with high-performance grades makes it a preferred choice for industrial and healthcare applications. However, the market's expansion faces challenges, including fluctuating raw material costs and the complexity of scaling bio-based production processes to meet increasing demand.

Regionally, the Bio-polybutadiene Market exhibits promising growth patterns. North America dominates the market with robust R&D investments and the presence of major players. Europe follows, benefiting from stringent sustainability mandates and a strong industrial base. Meanwhile, the Asia-Pacific region is anticipated to experience the fastest growth, driven by rapid industrialization, an expanding automotive sector, and heightened environmental awareness in countries like China and India.

Major market players included in this report are:

BASF SE

Synthos S.A.

LANXESS AG

Trinseo S.A.

Dow Inc.

SABIC

Kumho Petrochemical Co., Ltd.

Evonik Industries AG

LG Chem Ltd.



Asahi Kasei Corporation

Nizhnekamskneftekhim PJSC

Goodyear Tire & Rubber Company

Sumitomo Chemical Co., Ltd.

Versalis S.p.A.

Bridgestone Corporation

The detailed segments and sub-segment of the market are explained below:

By Production Method:

Bio-based Synthesis

Conventional Petrochemical Processes

By Application:

Automotive Tires

Adhesives and Sealants

Consumer Goods

Industrial Products

By End User Sector:

Automotive Industry



Construction Industry

Consumer Electronics

Healthcare

By Formulation Type:

Solid

Liquid

By Quality Grade:

Standard Grade

High-performance Grade

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain



Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa



Key Takeaways:

Market estimates and forecasts for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of geographical landscapes with country-level insights.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approaches.

Comprehensive evaluation of competitive structures and market dynamics.

Demand-side and supply-side analysis of the market.



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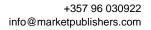
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