

Butyl Rubber Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Sales Channel (Direct Sales, Indirect Sales), By End Use (Tyre and Inner Tube, Pharmaceutical Closures, Construction, Adhesives & Sealants, Others), By Region and Competition, 2020-2030F

<https://marketpublishers.com/r/B744612B6A7AEN.html>

Date: April 2025

Pages: 185

Price: US\$ 4,500.00 (Single User License)

ID: B744612B6A7AEN

Abstracts

Global butyl rubber market was valued at USD 4,070.50 million in 2024 and is projected to reach USD 5,174.90 million by 2030, growing at a compound annual growth rate (CAGR) of 6.07% during the forecast period. This steady growth is primarily driven by rising demand across the automotive, pharmaceutical, and industrial sectors.

Butyl rubber, a synthetic elastomer known for its exceptional air impermeability, thermal resistance, and chemical stability, is extensively utilized in tire manufacturing, pharmaceutical stoppers, adhesives, and protective coatings. The automotive sector remains the largest end-user, especially in tire inner liners and tubes. Its low gas permeability and high flexibility enhance tire durability, minimize air leakage, and contribute to improved fuel efficiency.

The expanding electric vehicle (EV) market is further accelerating demand, as manufacturers increasingly seek lightweight, high-performance materials to optimize energy usage.

Despite favorable market conditions, several challenges persist. The volatility of raw material prices, stringent environmental regulations, and complex production processes are key concerns. Butyl rubber production relies on isobutylene and isoprene, both petroleum-derived, making the industry highly sensitive to fluctuations in crude oil prices.

and petrochemical supply chains. Price instability in crude oil directly affects manufacturing costs and profitability, placing pressure on producers to maintain cost competitiveness.

Key Market Drivers

Growth in the Pharmaceutical Industry

The global pharmaceutical market is expected to generate USD 1.21 trillion in revenue by 2025. The United States, with its advanced healthcare infrastructure and robust R&D capabilities, continues to lead pharmaceutical innovation.

Pharmaceutical applications rely heavily on butyl rubber-based closures such as stoppers, vial seals, and syringe components due to their excellent airtightness and chemical inertness. These properties are essential for maintaining the sterility and integrity of injectable drugs and vaccines. The growing prevalence of chronic illnesses—including diabetes, cardiovascular diseases, and cancer—has driven increased production of injectable medications, further supporting demand for butyl rubber components in pharmaceutical packaging.

Key Market Challenges

Raw Material Price Volatility

One of the primary challenges facing the butyl rubber industry is the fluctuation in raw material costs. Isobutylene and isoprene—critical feedstocks in butyl rubber production—are derived from petroleum and are directly affected by global crude oil price movements.

Geopolitical instability, OPEC policies, and shifts in global supply and demand dynamics contribute to crude oil price volatility. Consequently, the cost and availability of these key inputs vary, impacting production costs and ultimately pricing structures for manufacturers and end-users alike. This price instability can disrupt profitability and complicate long-term strategic planning for producers.

Key Market Trends

Technological Advancements and Product Innovation

Significant advancements in product development—particularly the emergence of halobutyl rubber, including chlorobutyl and bromobutyl variants—are reshaping the market. These materials exhibit enhanced air retention, heat resistance, and compatibility with other elastomers, making them highly suitable for advanced tire designs and pharmaceutical applications.

LANXESS, the world's second-largest producer of butyl rubber, has completed a major expansion of its Sarnia, Ontario facility, increasing its global butyl and halobutyl rubber production capacity by 42% to 265,000 tonnes annually—a 25% rise from previous levels. This follows a prior 10% expansion at its Zwijndrecht plant in Belgium. The company's continued investment underscores its commitment to meeting rising global demand.

Key Market Players

Reliance Sibur Elastomers Private Limited

Arlanxeo (Saudi Amarco)

Japan Butyl Co. Ltd

Sinopec (Beijing Yanshan Company)

Exxon Mobil

Zhejiang Cenway New Materials Co., Ltd

Shandong Chambroad Petrochemicals Co., Ltd

Formosa Synthetic Rubber Corporation

Lanxess

Tolyattikauchuk (SIBUR)

Report Scope

In this report, the Global Butyl Rubber Market has been segmented into the following

Butyl Rubber Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Sales Chan...

categories, in addition to the industry trends which have also been detailed below:

Butyl Rubber Market, By Sales Channel:

Direct Sales

Indirect Sales

Butyl Rubber Market, By End Use:

Tyre and Inner Tube

Pharmaceutical Closures

Construction

Adhesives & Sealants

Others

Butyl Rubber Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Butyl Rubber Market.

Available Customizations:

Global Butyl Rubber Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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