

# Global Chlorobutyl Rubber (CIIR) Market Outlook to 2027

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## Abstracts

Chlorobutyl Rubber is a Terpolymer of Isoprene, Isobutylene, and chlorinated Isoprene that offers CIIR properties such as low gas and moisture permeability, good vibration damping, resistance to fire and steam, low glass transition temperature, magnificent resistance to aging and weathering, and specific exceptional features like advanced adhesion, growing cure reactivity, and higher compatibility with unsaturated polymer. According to BlueQuark Research & Consulting, the global Chlorobutyl Rubber market is expected to witness a significant growth rate during the forecasted period. Factors like rising usage of Chlorobutyl Rubber in the automotive sector, which is used to produce the inner liner of the tubeless tire and radial tire, are anticipated to drive the Chlorobutyl Rubber market growth. Further, the usage of Chlorobutyl Rubber in the medical industry to manufacture pharmaceutical stoppers used in syringes is awaited to drive the Chlorobutyl Rubber market development. Additionally, the use of Chlorobutyl Rubber in producing heat-resistant tubes in industries is projected to drive Chlorobutyl Rubber's market growth. However, factors like stringent government regulations concerning extreme use of synthetic rubber, fluctuating raw material prices, and lower sustainability of synthetic rubber in contrast to natural rubber are expected to hamper the market growth.

Chlorobutyl Rubber is used to produce components such as internal tire tubes, tire sidewalls, unique purpose conveyor belt covers, automotive engine mounts, medical stoppers for injection vials and infusion bottles, and heat resistant lines, among others. Chlorobutyl Rubber is also worn in end-user industries like industrial, automotive and, medicals.

The Automobile industry is the prime consumer and market for Chlorobutyl rubber and is predicted to drive the global Chlorobutyl Rubber market. Growing population and

rising urbanization are the main reasons for the expansion in automobiles sales, especially in countries like India and China. Chlorobutyl rubber is majorly used for the production of the inner liners of tubeless tires and radial tires and tire sidewalls of a vehicle to retain tire pressures continues over a long duration, thus attached to the life of the tires, at the same phase surging fuel economy and efficiency and minimizing the overall carbon emissions. Since Chlorobutyl is used as a crucial component of all vehicles, improving the tire's air retention performance, its use is related to conventional and electric vehicles, making it required for the industry's future growth. Regular butyl rubber exhibits resistance toward sunlight, ozone, gas permeability, and various polar solvents like alcohols and esters. The broad temperature range of regular butyl rubber is about -34 to 110 degrees centigrade, which is anticipated to widen the significant scope of the product. Compared to butyl rubber, chlorobutyl rubber is more reactive and provides a faster cure with reduced curatives and superior adhesion to unsaturated rubbers and metals. Further, the International Organization of Motor Vehicle Manufacturers reported that 2021 saw nearly 21 million vehicles assembled in the first three months, a 17% year-on-year increase. Thus, Chlorobutyl is an essential component of the automotive segment that is vital for the industry's development.

Some of the market's key players are Lanxess AG, Arlanxeo, Sinopec Beijing Yanshan, Nizhnekamskneftekhim, ExxonMobil Chemical, and SIBUR, among others.

The Asia-Pacific region is anticipated to be a market leader in Chlorobutyl Rubber production, with the most consumption in China and India. Chlorobutyl rubbers find a wide range of applications from tires and automotive parts to pharmaceuticals and industrial products due to their saturated nature, safety, and environmental attributes. Chlorobutyl rubber possesses many properties similar to butyl rubber, including little gas and moisture permeability, good vibration damping, resistance to fire and steam, reduced glass transition temperatures, and excellent resistance to aging and weathering. It also possesses exceptional properties such as advanced adhesion, increased cure reactivity, and higher compatibility with unsaturated polymers. The growing demand for butyl rubber for damp proofing and roof repair is projected to propellant the Chlorobutyl Rubber market growth. In addition, demand is anticipated to be propelled by the use of food-grade butyl rubber in the food industry. Chlorobutyl Rubber has a massive scope of application in the automotive industry to make the inner lining contain and sustain air pressure in the tires. China is an enormous country in terms of the number of automobiles manufactured, with thousands put together daily, catering to its domestic need and the international market, with the China Association of Automobile Manufacturers reporting vehicle sales in China to hit nearly 27 million in 2021. Further, the use of Chlorobutyl in the manufacturer of conveyor belts worn in the

industry is expected to drive the demand for Bromo butyl in the region, with many factories being set up recently. Therefore, moreover half of the world's population lives in this area, and the medical industry is critical to the region. Chlorobutyl rubber in the industry to make pharmaceutical stoppers used in injection vials and infusion bottles is expected to drive the regional market. Thus, factors like these have made Asia-Pacific an essential scope for the global Chlorobutyl Rubber market.

In August 2020, Reliance Industries Limited and SIBUR began a joint venture in India to process synthetic rubbers, Reliance Sibur Elastomer Private Limited, of that RIL holds 74.9% while SIBUR keeps up 25.1%, with an annual production of 120000 metric tons.

In April 2021, SIBUR and TAIF-NK are set to merge with their petrochemical business.

Global Chlorobutyl Rubber Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Chlorobutyl Rubber market by segmenting based on the Product (Regular Butyl Rubber, Chloronited Butyl Rubber, Brominated Butyl Rubber, Others), End-User Industry (Automobile, Medical, Industrial, Others), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines 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.

## Contents

### 1. Executive Summary

### 2. Research Scope and Methodology

- 2.1 Aim & Objective of the study
- 2.2 Market Definition
- 2.3 Study Information
- 2.4 General Study Assumptions
- 2.5 Research Phases

### 3. Market Analysis

- 3.1 Introduction
- 3.2 Market Dynamics
  - 3.2.1 Drivers
  - 3.2.2 Restraints
- 3.3 Market Trends & Developments
- 3.4 Market Opportunities
- 3.5 Regulatory Policies
- 3.6 Analysis of Covid-19 Impact

### 4. Industry Analysis

- 4.1 Supply Chain Analysis
- 4.2 Porter's Five Forces Analysis
  - 4.2.1 Competition in the Industry
  - 4.2.2 Potential of New Entrants into the Industry
  - 4.2.3 Bargaining Power of Suppliers
  - 4.2.4 Bargaining Power of Consumers
  - 4.2.5 Threat of substitute products

### 5. Market Segmentation & Forecast

- 5.1 By Product
  - 5.1.1 Regular Butyl Rubber
  - 5.1.2 Chloronited Butyl Rubber
  - 5.1.3 Brominated Butyl Rubber
- 5.2 By End-User Industry

- 5.2.1 Automotive
- 5.2.2 Industrial
- 5.2.3 Medical
- 5.2.4 Others

## **Regional Market Analysis**

- 6.1 North America
  - 6.1.1 United States
  - 6.1.2 Canada
  - 6.1.3 Mexico
- 6.2 Europe
  - 6.2.1 Germany
  - 6.2.2 United Kingdom
  - 6.2.3 Italy
  - 6.2.4 France
  - 6.2.5 Spain
  - 6.2.6 Rest of Europe
- 6.3 Asia-Pacific
  - 6.3.1 China
  - 6.3.2 India
  - 6.3.3 Japan
  - 6.3.4 South Korea
  - 6.3.5 Rest of Asia-Pacific
- 6.4 South America
  - 6.4.1 Brazil
  - 6.4.2 Argentina
  - 6.4.3 Rest of South America
- 6.5 Middle East & Africa
  - 6.5.1 South Africa
  - 6.5.2 Saudi Arabia
  - 6.5.3 Rest of Middle East & Africa

## **Company Profiles**

bil Chemical

ber Company

Industries Limited

zhnekamskneftekhim

poration

r Tire and Rubber Company

Beijing Yanshan Company

Synthetic Rubber Corporation

oup

g Shenchi Petrochemicals

Company

eyun Industrial

nxess AG

*Companies is not exhaustive*

## **Competitive Landscape**

of Notable Players in the Market

Acquisition, JV, and Agreements

Market Share Analysis

Strategies of Key Players

## **Conclusions and Recommendations**

## List Of Tables

### LIST OF TABLES

Global Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026

North America Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026

United States Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026

Canada Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026

Mexico Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026

Europe Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026

United Kingdom Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026

Germany Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026

Italy Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026

France Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026

Other Supporting Charts

Rest of Europe Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026

South America Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026

Brazil Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026

Argentina Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026

Rest of South America Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026

Asia-Pacific Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026

China Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast Revenue (in USD million), 2016-2026



India Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast  
Revenue (in USD million), 2016-2026

Japan Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast  
Revenue (in USD million), 2016-2026

South Korea Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast  
Revenue (in USD million), 2016-2026

Rest of Asia-Pacific Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market  
Forecast Revenue (in USD million), 2016-2026

Middle East & Africa Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market  
Forecast Revenue (in USD million), 2016-2026

Saudi Arabia Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast  
Revenue (in USD million), 2016-2026

South Africa Chlorobutyl Rubber (CIIR) Market Size, Market Growth & Market Forecast  
Revenue (in USD million), 2016-2026

Rest of Middle-East & Africa Chlorobutyl Rubber (CIIR) Market Size, Market Growth &  
Market Forecast Revenue (in USD million), 2016-2026

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