



## Market Analytics: Butadiene Derivatives - 2023

**Market Analytics: Butadiene Derivatives - 2023** is one in a series of reports published as part of NexantECA's Markets & Profitability program.

Market Analytics: Butadiene Derivatives - 2023 report provides an in-depth analysis of the following products :

- Butadiene
- Butadiene Rubber (BR)
- Styrene Butadiene Rubber (SBR)
- Acrylonitrile Butadiene Styrene (ABS)
- Other Butadiene Derivatives

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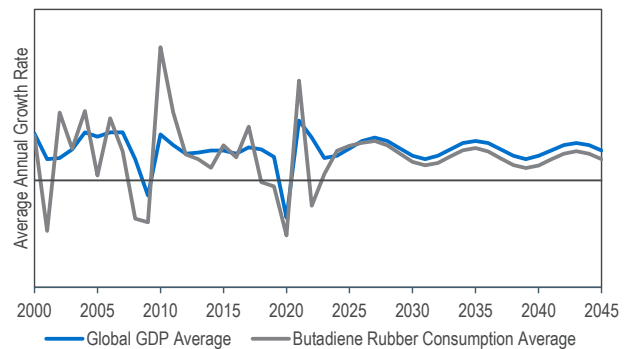
Along with the written report, NexantECA's Online Database includes supply, demand and trade analysis for 40 countries and global capacity listings updated on a monthly basis.

### Report Abstract:

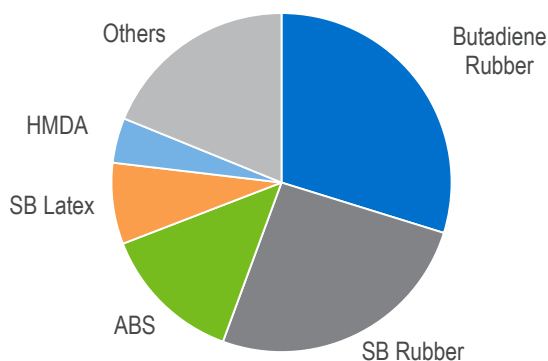
Butadiene rubber (BR), also known as polybutadiene (PBR), is the largest commodity synthetic rubber by volume. Its main application is in tyres and other automotive applications, accounting for around two-thirds of total global consumption. BR is generally consumed in the side-walls of tyres due to its low susceptibility to flex-cracking and high weather resistance. It is also consumed in tread compounds due to high abrasion resistance and low rolling resistance. The second single most important area for BR consumption is as an impact modifier in high impact polystyrene (HIPS) and in some acrylonitrile butadiene styrene (ABS) production processes.

Styrene butadiene rubber (SBR) consumption is dominated by tyre production; the trends of size, type and quality of the tyre affect the SBR market. Within the SBR market different grades show different growth profiles. The SBR into tyre market is segmented between solution and emulsion grades. Emulsion SBR (eSBR) is a commodity material sold in standard grades. It is consumed in the majority of tyres, particularly low-end, low-cost products. Solution SBR (sSBR) is required for high performance tyre treads where it confers better performance on abrasion, wet grip and rolling resistance.

**Global Butadiene Consumption Growth**  
million tons



**Global Butadiene Rubber Demand, 2023**



Acrylonitrile butadiene styrene (ABS) is a high-volume engineering polymer, which is favoured for its strength, wear resistance, and attractive finish. ABS components are widely used in automotive applications, housings for electrical appliances and various household products. ABS is also widely used as a copolymer with polycarbonate for applications such as portable electronics. Although some transparent ABS is produced, it is a small sector of the market, and ABS is generally non-transparent and coloured. It has good mechanical properties, high gloss, reasonable processability, and unlike polyolefins it has good adhesive properties for printing or decoration. ABS produced by the "mass" process is a lower cost material than "emulsion" process ABS, although it is also marketed in some higher priced applications where its surface characteristics (matt instead of gloss) are desirable.

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### Appendix

- A. Methodology
- B. Technology

Chapters 3 – 7 are segmented by key regions:

- North America
- South America
- Western Europe
- Central Europe
- Eastern Europe
- Middle East
- Africa
- Asia Pacific

Each region/country is further segmented by:

- **Consumption:** Assesses historic and forecast consumption; forecasts are based on projections of end use and economic activity.
- **Supply:** Includes a list of all producers, their production capacity, location, etc., and discussion of the status of new projects.
- **Supply, Demand and Trade:** Provides historical analysis and forecasts to 2045 of consumption, production, imports/exports, inventory build-up/decline, capacity and capacity utilization.

This analysis will identify the issues shaping the industry, as well as provide an independent appraisal of the market.

For related analysis, please refer to:

[Profitability and Price Forecasts: Butadiene Derivatives Quarterly Business Analysis](#)

## Subscription Details:

Subscription to **Market Analytics: Butadiene Derivatives - 2023** includes:

- 12 month access via the NexantECA website, to:
  - Unlimited downloads of PDF reports
  - Downloadable data in Excel from the Online Database
- Webinar
- Consultation time with the project team

Customized subscriptions are also available.

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