

Global Acrylonitrile Butadiene Styrene Market Size Study & Forecast, by Type, Grade, Manufacturing Process, Technology, Application, and Regional Forecasts 2022–2032

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Abstracts

The Global Acrylonitrile Butadiene Styrene (ABS) Market is valued at approximately USD 39.57 billion in 2024 and is projected to expand at a robust CAGR of 6.90% over the forecast period from 2025 to 2035. ABS, a versatile thermoplastic polymer known for its high impact resistance, strength, and superior processing ease, continues to infiltrate a myriad of industries ranging from automotive and consumer electronics to construction and 3D printing. The polymer's adaptability across opaque, transparent, and colored formulations makes it an ideal candidate for applications where aesthetics must meet functional durability. This material's customizable physical and chemical properties have propelled its use in lightweight automotive components, precision-molded electronics housing, and modern home appliances.

The growth trajectory of the ABS market is propelled by its broad spectrum of performance grades, including high-impact, flame-retardant, electroplatable, and heat-resistant variants. Manufacturers have strategically shifted toward advanced grades to align with rising environmental standards, functional demands, and intricate design requirements. With global construction and infrastructure spending on the rise, especially in emerging economies, the demand for flame-retardant and impact-resistant plastics has surged significantly. Simultaneously, the automotive sector's emphasis on weight reduction and enhanced fuel efficiency has increased the consumption of high-impact ABS, while innovations in home appliances and toys further underpin demand. However, fluctuating prices of raw materials such as acrylonitrile and styrene, alongside environmental concerns over plastic disposal, may slightly restrain market expansion.

Regionally, Asia Pacific continues to reign as the dominant and fastest-growing ABS market, fueled by high consumption across China, India, South Korea, and Southeast Asia. This growth is attributed to thriving automotive manufacturing hubs, consumer electronics demand, and lower labor and production costs that entice global manufacturers to shift their operations eastward. North America and Europe, while more mature markets, remain key due to sustained demand from the automotive, aerospace, and electronics sectors, alongside continuous R&D investments into eco-friendly ABS alternatives. Latin America and the Middle East & Africa are gradually climbing the adoption curve, backed by infrastructure development, urbanization, and expanding middle-class populations driving consumption of packaged goods, white goods, and personal electronics.

Major market player included in this report are:

LG Chem

Chi Mei Corporation

INEOS Styrolution

SABIC

Trinseo S.A.

Toray Industries, Inc.

Formosa Chemicals & Fibre Corporation

RTP Company

Kumho Petrochemical

Techno-UMG Co., Ltd.

ELIX Polymers

Lotte Chemical Corporation

Asahi Kasei Corporation

Ravago Group

Styrolution Industries Ltd.

Global Acrylonitrile Butadiene Styrene Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025–2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Type:

Opaque

Transparent

Colored

By Grade:

High Impact

Heat Resistant

Electroplatable

Flame Retardant

Blended

By Manufacturing Process:

Injection Molding

Extrusion

Blow Molding

Others

By Technology:

Emulsion Technology

Mass Polymerization Technology

By Application:

Automotive

Electrical & Electronics

Consumer Goods

Construction

Industrial

Others

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

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

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

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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