

Global Styrene Market Analysis: Plant Capacity, Production, Process, Technology, Operating Efficiency, Demand & Supply, End-Use, Foreign Trade, Sales Channel, Regional Demand, Company Share, 2015-2030

<https://marketpublishers.com/r/G66C65C637A4EN.html>

Date: October 2023

Pages: 0

Price: US\$ 6,000.00 (Single User License)

ID: G66C65C637A4EN

Abstracts

The global Styrene market stood at approximately 30 million tonnes in 2021 and is expected to grow at a CAGR of 5.64% during the forecast period until 2030. Recently, a joint venture between LyondellBasell and the China Petroleum & Chemical Corporation (Sinopec) has been formed to produce propylene oxide and styrene monomer for the local Chinese market. This new facility will be able to produce 275 thousand tonnes of tons of propylene oxide and 600 thousand tonnes of styrene monomer each year.

Styrene is a colorless to pale yellowish (after aging) in color and is highly volatile, flammable oily liquid with a sweet smell. Commercially, the majority of the Styrene is produced by the alkylation of Benzene with Ethylene. Ethylbenzene is formed as an intermediate which is further dehydrogenated to form Styrene. Another method for its production is via Ethylbenzene Hydroperoxide, in which Styrene is produced as a coproduct by reacting Propylene Oxide (PO) within POSM (Propylene Oxide/Styrene Monomer) units. Mainly there are three technologies to produce Styrene which are EB/PO Technology, Versalis XSBR Technology, and EBMax SM1 Technology. It is primarily used in manufacturing synthetic rubbers, latex, polystyrene resins which are further employed in making disposable cutlery, insulations, pipes, plastic packaging, automobile and electronics part, printing cartridges, containers, etc.

The primary market driver of the global Styrene market industry is the Packaging industry. Due to the exceptional properties of Styrene, it can be utilized to make durable and lightweight products. Growing requirement of packaging material for milk,

vegetables, food, meat, and electronic goods, along with requirements for storage purposes is anticipated to augment the growth of the global Styrene market in the forecast period. Other important applications of Styrene in automotive sector for manufacturing components will most likely further drive the Styrene market in coming years. The global Styrene market is anticipated to reach approximately 50 million tonnes by 2030.

Based on its derivatives, the market is segmented into Polystyrene (PS), Acrylonitrile-Butadiene-Styrene (ABS), Unsaturated Polyester Resins (UPR), Styrene-Butadiene Rubber (SBR) and Others. PS is one of the most commonly used thermoplastic resins, which is further classified into types such as High Impact Polystyrene (HIPS), General Purpose Polystyrene (GPPS), Expandable Polystyrene (EPS) and Extruded Polystyrene (XPS). Surging demand for PS from the packaging industry is likely to drive the demand in the forthcoming years. Styrene and its derivatives find applications in various end-use industries such as Automobile, Packaging, Construction, Consumer Goods, and Others. Thereby, growth in these end-user industries is anticipated to boost the market over the forecast period. However, the health and environmental hazards associated with the chemical compound may hamper its market growth in the forecast period.

Asia Pacific is the dominating all over the world with the highest demand of Styrene. This region accounted a market share of about 50% of the global Styrene market in 2021. Due to rapid industrialization, urbanization, ongoing construction projects in the region, market is expected to boost through 2030. Europe stands as the second largest consumer of Styrene. Moreover, China is a manufacturing hub of Consumer Goods, Electronics, and Plastics which is also likely to drive the market for Styrene over the forecast period.

Based on the end-user industry, the Styrene market is segmented into sectors such as Packaging, Automotive Components, Construction Industry, Consumer Goods, and Others. Among these, Packaging industry is leading segment and accounted around 35% of the share of total Styrene demand in 2021. Automotive Components and Construction Industry also hold recognizable market shares.

Significant companies for Global Styrene market are Hanhwa- Total JV, Shell Global, SIBUR, Fermosa Chemical & Fibre Corporation, LyondellBasell, PJSC Lukoil Oil Company, SADAF (Petrokemia), Zhejiang Petrochemical, Trinseo, INEOS Styrolution, Changzhou New Solar Chem, and Samsung Total Petrochemical.

Years considered for this report:

Historical Period: 2015- 2021

Base Year: 2021

Estimated Year: 2022

Forecast Period: 2023-2030

The objective of the Study:

To assess the demand-supply scenario of Styrene, which covers the production, demand, and supply of Styrene around the globe.

To analyze and forecast the market size of Styrene.

To classify and forecast the Global Styrene market based on end-use and regional distribution.

To examine global competitive developments such as new capacity expansions, mergers & acquisitions, etc., of the Styrene market.

To extract data for the Global Styrene market, primary research surveys were conducted with Styrene manufacturers, suppliers, distributors, wholesalers, and Traders. While interviewing, the respondents were also inquired about their competitors. Through this technique, ChemAnalyst was able to include manufacturers that could not be identified due to the limitations of secondary research. Moreover, ChemAnalyst analyzed various segments and projected a positive outlook for the Global Styrene market over the coming years.

ChemAnalyst calculated Styrene demand in the globe by analyzing the historical data and demand forecast which was carried out considering the historical extraction and supply and demand of Styrene across the globe. ChemAnalyst sourced these values from industry experts, and company representatives and externally validated through analyzing historical sales data of respective manufacturers to arrive at the overall market size. Various secondary sources such as company websites, association

reports, annual reports, etc., were also studied by ChemAnalyst.

Key Target Audience:

Styrene manufacturers and other stakeholders

Organizations, forums and alliances related to Styrene distribution

Government bodies such as regulating authorities and policy makers

Market research organizations and consulting companies

The study is useful in providing answers to several critical questions that are important for industry stakeholders such as Styrene manufacturers, customers and policy makers. The study would also help them to target the growing segments over the coming years, thereby aiding the stakeholders in taking investment decisions and facilitating their expansion.

Report Scope:

In this report, Global Styrene market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Market, by End-use: Packaging, Automotive Components, Construction Industry, Consumer Goods, and Others

Market, by Sales Channel: Direct Sale and Indirect Sale

Market, by Region: North America, Europe, Asia Pacific, Middle East and Africa, and South America.

Available Customizations:

With the given market data, ChemAnalyst offers customizations according to a company's specific needs.

Contents

1. CAPACITY BY COMPANY

On our online platform, you can stay up to date with essential manufacturers and their current and future operation capacity on a practically real-time basis for Styrene.

2. CAPACITY BY LOCATION

To better understand the regional supply of Styrene by analyzing its manufacturers' location-based capacity.

3. CAPACITY BY PROCESS

To evaluate the demand of various methods and their capacities while looking for the future growth of each process.

4. CAPACITY BY TECHNOLOGY

To better assess the manufacturing capacities with different technologies as well as understand which technology is more in demand.

5. PRODUCTION BY COMPANY

Study the historical annual production of Styrene by the leading players and forecast how it will grow in the coming years.

6. DEMAND BY END- USE

Discover which end-user industry (Packaging, Automotive Components, Construction Industry, Consumer Goods, and Others) are creating a market and the forecast for the growth of the Styrene market.

7. DEMAND BY REGION

Analyzing the change in demand of Styrene in different regions, i.e., North America, Europe, Asia Pacific, Middle East and Africa, and South America, that can direct you in mapping the regional demand.

8. DEMAND BY SALES CHANNEL (DIRECT AND INDIRECT)

Multiple channels are used to sell Styrene. Our sales channel will help in analyzing whether distributors and dealers or direct sales make up most of the industry's sales.

9. DEMAND-SUPPLY GAP

Determine the supply-demand gap to gain information about the trade surplus or deficiency of Styrene.

10. COMPANY SHARE

Figure out what proportion of the market share of Styrene is currently held by leading players across the globe.

11. COUNTRY-WISE EXPORT

Get details about quantity of Styrene exported by major countries.

12. COUNTRY-WISE IMPORT

Get details about quantity of Styrene imported by major countries.

13. PRICING ANALYSIS & FORECAST

Analyze historical prices since 2015 & Forecast on three months rolling period for next 12 months.

Years considered for this report:

Historical Period: 2015- 2022

Base Year: 2022

Estimated Year: 2023

Forecast Period: 2024-2032

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