

# **Global EPDM Rubber Market Analysis: Plant Capacity, Location, Process, Technology, Production, Operating Efficiency, Demand & Supply, End Use, Grade, Regional Demand, Sales Channel, Company Share, Foreign Trade, Industry Market Size, Manufacturing Process, 2015-2035**

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## **Abstracts**

H1 2023: In March 2023, Sumitomo Chemical permanently closed their EPDM rubber facility located at Chiba, Japan. Based on consumption rate, EPDM rubber was most prominently used by the Asia Pacific region in H1 2023. However, the region experienced ups and downs in EPDM prices in H1 2023. Prices for EPDM Rubber in the Asia Pacific region fell in January, rose in February, and then fell again in March. As China destocked its car inventories, the Asia Pacific region's struggling automotive industry showed signs of decline. The Chinese auto industry lowered the market value of cars due to high inventories and low sales. The manufacture of automobiles decreased as the automotive sector worked feverishly to reduce its stockpiles, which had an impact on the EPDM Rubber market. The demand in the Asian market decreased as a result of China's consumption of EPDM rubber fading. In China, prices rose in May but then declined from the end of May to June 2023. Till May 2023, the price of EPDM Rubber in the South Korean market continuously declined. The price drop was supported by low costs of the feedstock ethylene and propylene. Excess inventories of EPDM Rubber made the South Korean market bearish accessible. However, the robust demand observed in downstream sectors caused the price hike in June 2023 in South Korea.

H1 2022: During H1 2022, the total global production of EPDM rubber was approximately 850 thousand tonnes. The key players in the EPDM Rubber market were

Arlanxeo (Lanxess AG - Saudi Aramco JV), Dow Chemical Company, and Kumho Petrochemical Company. Although, Arlanxeo was the largest global producer of EPDM Rubber in H1 2022. In April 2022, Shanghai Sinopec Mitsui Elastomers Co., Ltd. had to temporarily shut down its plant at Shanghai for a period of 40 days. The reason behind the temporary shutdown was the industrial maintenance of the plant. Geographically, Asia Pacific held the biggest market sentiment for EPDM Rubber during H1 2022. The EPDM rubber market was bullish in H1 2022 due to strong demand and low availability of the EPDM rubber in the Indian market. India imported EPDM rubber mainly from neighboring countries in South and East Asia with Japan and South Korea being the major exporters. There was significant demand by the end-user industries, with the automotive sector as the main consumer sector. EPDM rubber prices were on an upward trend as a result of high demand for the material across South Korea. Feedstock olefins, i.e., ethylene and propylene markets boomed as naphtha prices hit record high across the Asia Pacific region.

H2 2022: In H2 2022, Asia Pacific experienced mixed market behavior for EPDM Rubber. Asia Pacific EPDM rubber prices continued to fluctuate in H2 2022 due to changing dynamics between supply and demand. The end-user industries displayed changing dynamics of EPDM rubber throughout H2 2022. EPDM rubber prices first rose in July 2022, fell in August 2022, and rose again in September 2022 in the Asia Pacific region. The fall in EPDM rubber prices in August was mainly due to rising industrial production rates, oversupply and overstocking, as well as weak downstream demand in the automotive and construction industries. The typhoon disrupted the supply chain and resulted in a hike in the demand from downstream industries and led the market to experience a supply shortage, which in turn resulted in price volatility for EPDM rubber in September 2022. From October 2022, the demand and supply dynamics were uncertain and there was no specific pattern of EPDM prices in the Asia Pacific region. Demand for EPDM rubber in the downstream automotive and construction industries remained volatile throughout the Asia Pacific region as these sectors failed to deliver sustained growth in the region. In H2 2022, EPDM rubber market prices in North America showed mixed sentiment. The mixed EPDM prices were fueled by fluctuation in the demand from various sectors like automotive and construction industries. In addition, fluctuating production costs also contributed to the substantial change in the market scenario of EPDM rubber in the North American market.

The global Ethylene Propylene Diene Monomer (EPDM) Rubber market stood around 1700 thousand tonnes in 2022 and is expected to grow at a steady CAGR of 4.35% during the forecast period until 2035.

Ethylene propylene diene monomer (EPDM) Rubber is a synthetic rubber that is made from ethylene, propylene, and diene co-monomer which helps in sulfur vulcanization. It can be manufactured via two processes which are solution polymerization and suspension polymerization. EPDM Rubber has various properties like heat resistance, chemical resistance, lightweight, durability, etc. Due to these properties, EPDM rubber finds application in several areas including automotive, building and construction, plastic modification, wires and cables, tires and tubes, and lubricant additives.

Increasing demand for automotive and building and construction coupled with demand growth for other application areas is expected to drive the demand for EPDM rubber for the forecast period. Moreover, increasing demand from electricals is also an influencing factor supporting demand rise for EPDM during the forecast period. Additionally, growth in the demand for electric vehicles is expected to push the demand further during the forecast period. Throughout the projection period, the automotive and construction industries are anticipated to exhibit significant increase which will further swell the Ethylene Propylene Diene Monomer (EPDM) Rubber demand in the forecast period and total market to reach about 3000 thousand tonnes by 2035.

Based on region, Asia Pacific and Europe are the leading consumers across the globe. In 2022, the highest demand was accounted by Asia Pacific region with a market share of roughly 44%. Due to increasing demand of EPDM rubber in application areas including construction and automotive sectors, it is anticipated that Ethylene Propylene Diene Monomer (EPDM) Rubber market is anticipated to swell in the forecast period. Furthermore, China is leading producer of Ethylene Propylene Diene Monomer (EPDM) Rubber on a global scale. Favorable economic policies that encourage large EPDM producers to establish capacity in this country which is the main drivers of the predominance. In western countries like Europe and USA the governments are pushing towards cleaner methods of producing EPDM which is resulting in reduced production rate.

Based on grade, the Ethylene Propylene Diene Monomer (EPDM) market is segregated into High Diene EPDM, Medium Diene EPDM, and Low Diene EPDM. The most prevalent type of EPDM on the market is Medium Diene among these grades. This grade held a market share of about 52% in 2022.

Based on the end-user industry, the global Ethylene Propylene Diene Monomer (EPDM) Rubber market is segmented into Automotive, Building and Construction, Plastic Modification, Wires and Cables, Tubes & Hoses, Lubricant Additives, and Others. Although, Automotive industry is the dominating as a consumer, with a market share of

approximately 39% of the total demand in 2022. Building and Construction sector is also a prominent consumer of EPDM Rubber market.

Major players in the production of Global Ethylene Propylene Diene Monomer (EPDM) Rubber market are Arlanxeo (Lanxess AG - Saudi Aramco JV), Dow Chemical Company, Kumho Petrochemical Company, ExxonMobil Chemical Company, Lion Elastomers LLC (Chemtura), Mitsui Petrochemical Industries Ltd., Versalis SPA Eni (Polimeri Europa), Lotte Versalis Elastomers, Shanghai Sinopec Mitsui Elastomers Co., Ltd., Jilin Xingyun Chemical (PetroChina), and Sumitomo Chemical Co. Ltd. - Saudi Aramco JV.

Years considered for this report:

Historical Period: 2015- 2022

Base Year: 2022

Estimated Year: 2023

Forecast Period: 2024-2035

This report will be delivered on an online digital platform with one-year subscription and quarterly update.

Objective of the Study:

To assess the demand-supply scenario of Ethylene Propylene Diene Monomer (EPDM) Rubber which covers production, demand and supply of Ethylene Propylene Diene Monomer (EPDM) Rubber market in the globe.

To analyse and forecast the market size of Ethylene Propylene Diene Monomer (EPDM) Rubber

To classify and forecast Global Ethylene Propylene Diene Monomer (EPDM) Rubber market based on end-use and regional distribution.

To examine competitive developments such as expansions, mergers & acquisitions, etc., of Ethylene Propylene Diene Monomer (EPDM) Rubber market in the globe.

To extract data for Global Ethylene Propylene Diene Monomer (EPDM) Rubber market, primary research surveys were conducted with Ethylene Propylene Diene Monomer (EPDM) Rubber 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 Global Ethylene Propylene Diene Monomer (EPDM) Rubber market over the coming years.

ChemAnalyst calculated Ethylene Propylene Diene Monomer (EPDM) Rubber 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 Ethylene Propylene Diene Monomer (EPDM) Rubber 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:

Ethylene Propylene Diene Monomer (EPDM) Rubber manufacturers and other stakeholders

Organizations, forums and alliances related to Ethylene Propylene Diene Monomer (EPDM) Rubber 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 Ethylene Propylene Diene Monomer (EPDM) Rubber

manufacturers, customers and policy makers. The study would also help them to target the growing segments over the coming years (next two to five years), thereby aiding the stakeholders in taking investment decisions and facilitating their expansion.

#### Report Scope:

In this report, Global Ethylene Propylene Diene Monomer (EPDM) Rubber s market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

#### Attribute

#### Details

Market size Volume in 2022

1700 thousand tonnes

Market size Volume by 2035

3000 thousand tonnes

#### Growth Rate

CAGR of 4.35% from 2023 to 2035

Base year for estimation

2023

#### Historic Data

2015 – 2022

Forecast period

2024 – 2035

#### Quantitative units

Demand in thousand tonnes and CAGR from 2023 to 2035

Report coverage

Industry Market Size, Capacity by Company, Capacity by Location, Production by Company, Demand by End- Use, Demand by Grade, Demand by Region, Demand by Sales Channel, Demand-Supply Gap, Foreign Trade, Company Share, Manufacturing Process, Policy and Regulatory Landscape.

Segments covered

By End-Use: (Automotive, Building and Construction, Plastic Modification, Wires and Cables, Tubes & Hoses, Lubricant Additives, and Others)

By Sales Channel: (Direct Sale and Indirect Sale)

Regional scope

North America, Europe, Asia Pacific, Middle East and Africa, and South America.

Pricing and purchase options

Avail customized purchase options to meet your exact research needs. Explore purchase options

Available Customizations:

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

## Contents

### **1. INDUSTRY MARKET SIZE**

It is an essential metric for market analysis, as it provides insights into the overall size and growth potential of Ethylene Propylene Diene Monomer (EPDM) Rubber market in terms of value and volume.

### **2. 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 Ethylene Propylene Diene Monomer (EPDM) Rubber.

### **3. CAPACITY BY LOCATION**

To better understand the regional supply of Ethylene Propylene Diene Monomer (EPDM) Rubber by analyzing its manufacturers' location-based capacity.

### **4. CAPACITY BY PROCESS**

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

### **5. CAPACITY BY TECHNOLOGY**

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

### **6. PLANT OPERATING EFFICIENCY [QUARTERLY UPDATE]**

To determine what percentage manufacturers are operating their plants or how much capacity is being currently used.

### **7. PRODUCTION BY COMPANY [QUARTERLY UPDATE]**

Study the historical annual production of Ethylene Propylene Diene Monomer (EPDM) Rubber by the leading players and forecast how it will grow in the coming years.



## **8. DEMAND BY GRADE**

Learn about the various grades of Ethylene Propylene Diene Monomer (EPDM)- High Diene EPDM, Medium Diene EPDM, and Low Diene EPDM, and their demands. It will allow you to choose which grade to concentrate on when designing your strategy.

## **9. DEMAND BY END- USE [QUARTERLY UPDATE]**

Discover which end-user industry (Automotive, Building and Construction, Plastic Modification, Wires and Cables, Tubes & Hoses, Lubricant Additives, and Others) are creating a market and the forecast for the growth of the Ethylene Propylene Diene Monomer (EPDM) Rubber market.

## **10. DEMAND BY REGION**

Analyzing the change in demand of Ethylene Propylene Diene Monomer (EPDM) Rubber 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.

## **11. DEMAND BY SALES CHANNEL (DIRECT AND INDIRECT)**

Multiple channels are used to sell Ethylene Propylene Diene Monomer (EPDM) Rubber. Our sales channel will help in analyzing whether distributors and dealers or direct sales make up most of the industry's sales.

## **12. DEMAND-SUPPLY GAP**

Determine the supply-demand gap to gain information about the trade surplus or deficiency of Ethylene Propylene Diene Monomer (EPDM) Rubber.

## **13. COMPANY SHARE**

Figure out what proportion of the market share of Ethylene Propylene Diene Monomer (EPDM) Rubber is currently held by leading players across the globe.

## **14. COUNTRY-WISE EXPORT**

Get details about quantity of Ethylene Propylene Diene Monomer (EPDM) Rubber exported by major countries.

## **15. COUNTRY-WISE IMPORT**

Get details about quantity of Ethylene Propylene Diene Monomer (EPDM) Rubber imported by major countries.

## **16. MANUFACTURING PROCESS**

Discover insights into the intricate manufacturing process of Ethylene Propylene Diene Monomer (EPDM).

## **17. 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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