

Polyethylene Glycol Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Sales Channel (Direct, Indirect), By End Use (Pharmaceutical, Personal Care, Industrial Application, Food & Beverage, Textile, Others), By Region and Competition, 2020-2030F

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Abstracts

Market Overview

The Global Polyethylene Glycol (PEG) Market was valued at USD 1037.39 Million in 2024 and is projected to reach USD 1354.98 Million by 2030, growing at a CAGR of 4.03% during the forecast period. PEG's versatile chemical properties—including non-toxicity, water solubility, and compatibility with various solvents—have made it a valuable compound across multiple industries. In pharmaceuticals, PEG is extensively used as an excipient to enhance solubility and drug stability, especially in long-acting formulations. Its application in cosmetics and personal care products continues to expand due to its effectiveness as a humectant, stabilizer, and emulsifier. In industrial sectors, PEG serves as a lubricant, plasticizer, and a critical component in water-based coatings. Moreover, PEG is frequently utilized in the medical field for bowel cleansing and constipation treatment. Companies are focusing on innovation, eco-friendly manufacturing, and strategic partnerships to leverage PEG's wide range of applications and meet rising global demand.

Key Market Drivers

Growth in Pharmaceutical Industry

The global pharmaceutical sector is a key driver for the polyethylene glycol market. PEG is extensively used in drug formulations due to its favorable properties such as water solubility, non-toxicity, and chemical stability. It is an essential excipient in various oral, topical, and injectable drugs, particularly in controlled-release and biopharmaceutical formulations. The global pharmaceutical market is projected to reach USD 1.21 trillion by 2025, with countries like the United States leading in innovation and R&D. As pharmaceutical companies focus on novel therapeutics including biologics, vaccines, and complex generics, the need for PEG in enhancing drug delivery efficiency and formulation stability is increasing, thereby supporting consistent market growth.

Key Market Challenges

Volatility in Raw Material Prices

One of the major challenges confronting the polyethylene glycol market is the volatility in raw material prices, particularly ethylene oxide, which is derived from crude oil. Fluctuations in crude oil prices—often triggered by geopolitical events, supply disruptions, or changing demand—directly affect the cost of ethylene oxide and, consequently, PEG production. This instability poses financial uncertainty for manufacturers and affects the cost structures of downstream industries such as pharmaceuticals, personal care, and industrial manufacturing. In competitive markets, rising production costs may be difficult to pass on to consumers, potentially lowering demand and creating pressure to find alternative or cost-effective substitutes.

Key Market Trends

Growth in Textile Industry

The increasing demand for high-performance textile products is driving the adoption of polyethylene glycol in textile processing applications. The global textile market is projected to reach approximately USD 1.10 trillion by 2025, with value-added processes reaching nearly USD 295.87 billion. PEG is widely used as a dispersing agent, softener, and lubricant in textile treatments. Its effectiveness in improving fiber smoothness, flexibility, and dye dispersion makes it a preferred additive in fiber treatment, dyeing, and finishing processes. As manufacturers strive for greater process efficiency, sustainability, and fabric quality, the demand for PEG in textile applications is set to grow steadily.

Key Market Players

Petronas

Jinan Future Chemical Co., Ltd

Liaoning Aoke Chemical Co., Ltd.

Liaoning Kelong Fine Chemical Co., Ltd

Shandong Baovi Energy Technology Co., LTD.

Avesta Pharma Pvt. Ltd.

BASF SE

LyondellBasell Industries N.V

Report Scope

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

Polyethylene Glycol Market, By Sales Channel:

Direct

Indirect

Polyethylene Glycol Market, By End Use:

Pharmaceutical

Personal Care

Industrial Application

Food & Beverage

Textile

Others

Polyethylene Glycol Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Polyethylene Glycol Market.

Available Customizations

Global Polyethylene Glycol Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, and Trends

4. IMPACT OF COVID-19 ON GLOBAL POLYETHYLENE GLYCOL MARKET

5. GLOBAL POLYETHYLENE GLYCOL MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Sales Channel (Direct, Indirect)
 - 5.2.2. By End Use (Pharmaceutical, Personal Care, Industrial Application, Food & Beverage, Textile, Others)
 - 5.2.3. By Region

- 5.2.4. By Company (2024)
- 5.3. Market Map

6. NORTH AMERICA POLYETHYLENE GLYCOL MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Sales Channel
 - 6.2.2. By End Use
 - 6.2.3. By Country
- 6.3. North America: Country Analysis
 - 6.3.1. United States Polyethylene Glycol Market Outlook
 - 6.3.1.1. Market Size & Forecast
 - 6.3.1.1.1. By Value
 - 6.3.1.2. Market Share & Forecast
 - 6.3.1.2.1. By Sales Channel
 - 6.3.1.2.2. By End Use
 - 6.3.2. Mexico Polyethylene Glycol Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Sales Channel
 - 6.3.2.2.2. By End Use
 - 6.3.3. Canada Polyethylene Glycol Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Value
 - 6.3.3.2. Market Share & Forecast
 - 6.3.3.2.1. By Sales Channel
 - 6.3.3.2.2. By End Use

7. EUROPE POLYETHYLENE GLYCOL MARKET OUTLOOK

- 7.1. Market Size & Forecast
 - 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Sales Channel
 - 7.2.2. By End Use
 - 7.2.3. By Country

7.3. Europe: Country Analysis

7.3.1. France Polyethylene Glycol Market Outlook

7.3.1.1. Market Size & Forecast

7.3.1.1.1. By Value

7.3.1.2. Market Share & Forecast

7.3.1.2.1. By Sales Channel

7.3.1.2.2. By End Use

7.3.2. Germany Polyethylene Glycol Market Outlook

7.3.2.1. Market Size & Forecast

7.3.2.1.1. By Value

7.3.2.2. Market Share & Forecast

7.3.2.2.1. By Sales Channel

7.3.2.2.2. By End Use

7.3.3. United Kingdom Polyethylene Glycol Market Outlook

7.3.3.1. Market Size & Forecast

7.3.3.1.1. By Value

7.3.3.2. Market Share & Forecast

7.3.3.2.1. By Sales Channel

7.3.3.2.2. By End Use

7.3.4. Italy Polyethylene Glycol Market Outlook

7.3.4.1. Market Size & Forecast

7.3.4.1.1. By Value

7.3.4.2. Market Share & Forecast

7.3.4.2.1. By Sales Channel

7.3.4.2.2. By End Use

7.3.5. Spain Polyethylene Glycol Market Outlook

7.3.5.1. Market Size & Forecast

7.3.5.1.1. By Value

7.3.5.2. Market Share & Forecast

7.3.5.2.1. By Sales Channel

7.3.5.2.2. By End Use

8. ASIA PACIFIC POLYETHYLENE GLYCOL MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Sales Channel

8.2.2. By End Use

8.2.3. By Country

8.3. Asia Pacific: Country Analysis

8.3.1. China Polyethylene Glycol Market Outlook

8.3.1.1. Market Size & Forecast

8.3.1.1.1. By Value

8.3.1.2. Market Share & Forecast

8.3.1.2.1. By Sales Channel

8.3.1.2.2. By End Use

8.3.2. India Polyethylene Glycol Market Outlook

8.3.2.1. Market Size & Forecast

8.3.2.1.1. By Value

8.3.2.2. Market Share & Forecast

8.3.2.2.1. By Sales Channel

8.3.2.2.2. By End Use

8.3.3. South Korea Polyethylene Glycol Market Outlook

8.3.3.1. Market Size & Forecast

8.3.3.1.1. By Value

8.3.3.2. Market Share & Forecast

8.3.3.2.1. By Sales Channel

8.3.3.2.2. By End Use

8.3.4. Japan Polyethylene Glycol Market Outlook

8.3.4.1. Market Size & Forecast

8.3.4.1.1. By Value

8.3.4.2. Market Share & Forecast

8.3.4.2.1. By Sales Channel

8.3.4.2.2. By End Use

8.3.5. Australia Polyethylene Glycol Market Outlook

8.3.5.1. Market Size & Forecast

8.3.5.1.1. By Value

8.3.5.2. Market Share & Forecast

8.3.5.2.1. By Sales Channel

8.3.5.2.2. By End Use

9. SOUTH AMERICA POLYETHYLENE GLYCOL MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Sales Channel

- 9.2.2. By End Use
- 9.2.3. By Country
- 9.3. South America: Country Analysis
 - 9.3.1. Brazil Polyethylene Glycol Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Sales Channel
 - 9.3.1.2.2. By End Use
 - 9.3.2. Argentina Polyethylene Glycol Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Sales Channel
 - 9.3.2.2.2. By End Use
 - 9.3.3. Colombia Polyethylene Glycol Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value
 - 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Sales Channel
 - 9.3.3.2.2. By End Use

10. MIDDLE EAST AND AFRICA POLYETHYLENE GLYCOL MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Sales Channel
 - 10.2.2. By End Use
 - 10.2.3. By Country
- 10.3. MEA: Country Analysis
 - 10.3.1. South Africa Polyethylene Glycol Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Sales Channel
 - 10.3.1.2.2. By End Use
 - 10.3.2. Saudi Arabia Polyethylene Glycol Market Outlook
 - 10.3.2.1. Market Size & Forecast

- 10.3.2.1.1. By Value
- 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Sales Channel
 - 10.3.2.2.2. By End Use
- 10.3.3. UAE Polyethylene Glycol Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Sales Channel
 - 10.3.3.2.2. By End Use

11. MARKET DYNAMICS

- 11.1. Drivers
- 11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

- 12.1. Merger & Acquisition (If Any)
- 12.2. Product Launches (If Any)
- 12.3. Recent Developments

13. GLOBAL POLYETHYLENE GLYCOL MARKET: SWOT ANALYSIS

14. PORTERS FIVE FORCES ANALYSIS

- 14.1. Competition in the Industry
- 14.2. Potential of New Entrants
- 14.3. Power of Suppliers
- 14.4. Power of Customers
- 14.5. Threat of Substitute Products

15. COMPETITIVE LANDSCAPE

- 15.1. Petronas
 - 15.1.1. Business Overview
 - 15.1.2. Company Snapshot
 - 15.1.3. Products & Services
 - 15.1.4. Financials (As Reported)

- 15.1.5. Recent Developments
- 15.1.6. Key Personnel Details
- 15.1.7. SWOT Analysis
- 15.2. Jinan Future Chemical Co.,Ltd
- 15.3. Liaoning Aoke Chemical Co., Ltd.
- 15.4. Liaoning Kelong Fine Chemical Co., Ltd
- 15.5. Shandong Baovi Energy Technology Co., LTD.
- 15.6. Avesta Pharma Pvt. Ltd.
- 15.7. BASF SE
- 15.8. LyondellBasell Industries N.V

16. STRATEGIC RECOMMENDATIONS

17. ABOUT US & DISCLAIMER

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