

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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Report description:

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.

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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:

- o Direct
- o Indirect

- Polyethylene Glycol Market, By End Use:

- o Pharmaceutical
- o Personal Care
- o Industrial Application
- o Food & Beverage
- o Textile
- o Others

- Polyethylene Glycol Market, By Region:

- o North America
 - United States
 - Canada
 - Mexico
- o Europe
 - France
 - United Kingdom
 - Italy

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- Brazil
- Argentina
- Colombia
- o 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).

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