

Global Polyethylene Imine Market Insights, Forecast to 2026

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Abstracts

Polyethylenimine (PEI) is a polymer with repeating unit composed of the amine group and two carbon aliphatic CH₂CH₂ spacer. Linear polyethyleneimines contain all secondary amines, in contrast to branched PEIs which contain primary, secondary and tertiary amino groups. Totally branched, dendrimeric forms were also reported. PEI is produced on industrial scale and finds many applications usually derived from its polycationic character.

Polyethyleneimine (PEI) is a water-soluble polymer, reactivity is now used in many industrial processes. It is mainly produced by two Companies established worldwide, the Nippon Shokubai Company, Ltd. (Japan) under the Trade names EPOMIN® and BASF-AG Ludwigshafen (Germany) under the Trade names Lupasol®. There are also supplier from china serves especially local market, such as Wuhan Qianglong Chemical and Gobekie. In terms of volume, the Global Polyethylene Imine market sales was 11996 MT in 2016, and is predicted to reach 15239 MT in 2023, with a CAGR 3.48% from 2016 to 2023.

PEI consists of a mixture of branched polymers with different molecular weight. On the market are polymers with average molecular weights of between 300 and 2,000,000, both in Water-free form, as well as an aqueous solution. PEI and its derivatives are being used today especially in the paper industry.

Raw material of PEI is ethyleneimine monomer. Because of its toxicity, ethyleneimine monomer is not sold by the BASF group or Nippon Shokubai, currently the only large producers. Ethyleneimine is used on-site for further reaction to produce polymers and intermediates.

The Polyethylene Imine industry has high technical barrier, which limits the entrance of the market. Moreover, the production of PEI involves high risk, since its raw material, ethylene Imine is a high toxic, flammable and explosive substance. The permission of production is hard to permit by local authorities, especially in developed areas. The PEI

is a niche market, making manufacturers have the bargaining power over customers. However, the product has other substitute, the customer would also turn to other product if they cannot accept the price. To Polyethylene Imine manufacturers, the core of brand building is in quality control and technological innovation. The company has to keep close to downstream users to cater their demand.

Since the COVID-19 virus outbreak in December 2019, the disease has spread to almost 100 countries around the globe with the World Health Organization declaring it a public health emergency. The global impacts of the coronavirus disease 2019 (COVID-19) are already starting to be felt, and will significantly affect the Polyethylene Imine 3900 market in 2020.

COVID-19 can affect the global economy in three main ways: by directly affecting production and demand, by creating supply chain and market disruption, and by its financial impact on firms and financial markets.

The outbreak of COVID-19 has brought effects on many aspects, like flight cancellations; travel bans and quarantines; restaurants closed; all indoor events restricted; over forty countries state of emergency declared; massive slowing of the supply chain; stock market volatility; falling business confidence, growing panic among the population, and uncertainty about future.

This report also analyses the impact of Coronavirus COVID-19 on the Polyethylene Imine 3900 industry.

Based on our recent survey, we have several different scenarios about the Polyethylene Imine 3900 YoY growth rate for 2020. The probable scenario is expected to grow by a xx% in 2020 and the revenue will be xx in 2020 from US\$ 427 million in 2019. The market size of Polyethylene Imine 3900 will reach xx in 2026, with a CAGR of xx% from 2020 to 2026.

With industry-standard accuracy in analysis and high data integrity, the report makes a brilliant attempt to unveil key opportunities available in the global Polyethylene Imine market to help players in achieving a strong market position. Buyers of the report can access verified and reliable market forecasts, including those for the overall size of the global Polyethylene Imine market in terms of both revenue and volume.

Players, stakeholders, and other participants in the global Polyethylene Imine market will be able to gain the upper hand as they use the report as a powerful resource. For this version of the report, the segmental analysis focuses on sales (volume), revenue and forecast by each application segment in terms of sales and revenue and forecast by each type segment in terms of revenue for the period 2015-2026.

Sales and Pricing Analyses

Readers are provided with deeper sales analysis and pricing analysis for the global Polyethylene Imine market. As part of sales analysis, the report offers accurate statistics and figures for sales and revenue by region, by each type segment for the period

2015-2026.

In the pricing analysis section of the report, readers are provided with validated statistics and figures for the price by players and price by region for the period 2015-2020 and price by each type segment for the period 2015-2020.

Regional and Country-level Analysis

The report offers an exhaustive geographical analysis of the global Polyethylene Imine market, covering important regions, viz, North America, Europe, China and Japan. It also covers key countries (regions), viz, U.S., Canada, Germany, France, U.K., Italy, Russia, China, Japan, South Korea, India, Australia, Taiwan, Indonesia, Thailand, Malaysia, Philippines, Vietnam, Mexico, Brazil, Turkey, Saudi Arabia, UAE, etc.

The report includes country-wise and region-wise market size for the period 2015-2026. It also includes market size and forecast by each application segment in terms of sales for the period 2015-2026.

Competition Analysis

In the competitive analysis section of the report, leading as well as prominent players of the global Polyethylene Imine market are broadly studied on the basis of key factors. The report offers comprehensive analysis and accurate statistics on sales by the player for the period 2015-2020. It also offers detailed analysis supported by reliable statistics on price and revenue (global level) by player for the period 2015-2020.

On the whole, the report proves to be an effective tool that players can use to gain a competitive edge over their competitors and ensure lasting success in the global Polyethylene Imine market. All of the findings, data, and information provided in the report are validated and revalidated with the help of trustworthy sources. The analysts who have authored the report took a unique and industry-best research and analysis approach for an in-depth study of the global Polyethylene Imine market.

The following manufacturers are covered in this report:

BASF

NIPPON SHOKUBAI

Wuhan Qianglong Chemical.

Gobekie

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Polyethylene Imine Breakdown Data by Type

Assay: ?50%

Assay: 90%-99%

Polyethylene Imine Breakdown Data by Application

Paper-making Industry

Electroplating Industry

Biomedicine Industry

Coating Industry

Water Treatment Industry

Others

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