

Polyacrylic Acid Market Report and Forecast 2025-2034

Market Report | 2025-08-12 | 172 pages | EMR Inc.

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Report description:

The global polyacrylic acid market witnessed a healthy growth in the historical period of 2018-2024 aided by the rising use of superabsorbent polymers. The market reached a value of almost USD 4.88 Billion in 2024 . The market is further expected to grow at a CAGR of 6.52% in the forecast period of 2025-2034, to reach USD 9.18 Billion by 2034 .

The Asia Pacific Region to Aid the Global Market for Polyacrylic Acid

Huge investments by leading manufacturers and subsequent lower costs, especially in the Asia Pacific region, are expected to drive the global polyacrylic acid industry forward. Moreover, the growing population in the Asia Pacific is anticipated to boost the demand for potable water, providing opportunities to the entry of polyacrylic acid in the market. Among countries in the Asia Pacific, China and India are leading the front in the consumption of polyacrylic acid, closely followed by Europe and North America.

The polyacrylic acid industry is being influenced by strict environment-related regulations, especially in developing countries. Polyacrylic acid is being rapidly used in wastewater treatment and sewage plants, providing further impetus to the market growth. The widespread use of polyacrylic acid in various end-use industries is one of the major contributors to the market growth.

Polyacrylic Acid: Market Segmentation

Polyacrylic acid or PAA is a high-molecular weight polymer of acrylic acid. It is formed when the acrylic ester of acrylonitrile undergoes polymerisation, followed by hydrolysis. PAA is commercially traded as 'Carbomer' and has properties similar to water-soluble natural gums.

Based on form, the market is bifurcated into:

- Liquid
- Powder

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By type, the market can be divided into:

- Co-Polymer
- Homo-Polymer
- Ter-Polymer

Based on application, the market can be divided into:

- Water and Wastewater Treatment
- Detergents and Cleaners
- Paints, Coatings, and Inks
- Superabsorbent Polymers
- Others

Market breakup by region:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Rising Demand for Polyacrylic Acid Driving the Market Growth

The polyacrylic acid industry is being driven by the rising usage of superabsorbent polymers. The excellent water-absorbing properties of these polymers, up to 500 times their own weight, are driving the market forward. The increasing consumption of polyacrylic acid-based superabsorbent polymers in baby diapers , feminine products, and adult incontinence products is providing impetus to the global polyacrylic acid industry. Polyacrylic acid plays a vital role in the reduction of hydrate formation, preventing hydrate formation in oil and gas pipelines . This, in turn, has propelled the market growth of polyacrylic acid. The market is expected to witness further growth in the coming years, being influenced by the strict environment-related regulations regarding effluent discharge and an increase in the number of polyacrylic acid applications, especially in treating sewage water.

Key Industry Players in the Global Polyacrylic Acid Market

The report gives a detailed analysis of the following key players in the global polyacrylic acid market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

- Ashland Global Holdings Inc.
- Nippon Shokubai Co., Ltd.
- Dow Chemical Company
- Kao Chemical Corporation
- The Lubrizol Corporation
- Maxwell Additives Pvt. Ltd.
- Polysciences, Inc.
- Others

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The comprehensive EMR report provides an in-depth assessment of the industry based on Porter's five forces model, along with giving a SWOT analysis.

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