

Global Polymer Gel Market Size study & Forecast, by Type (Hydrogel, Aerogel, Others), by Form (Particle Forms, Amorphous Gel, Sheets, Solid Moulded Forms, Blankets, Others), by Raw Materials (Polyacrylic Acid, Polyacrylamide, Polyacrylates, Polyvinyl Alcohol, Polyacrylonitrile and Silicone) by End Use Industry (Healthcare, Agriculture, Water Treatment, Cosmetics and Personal Care, Building Construction, Others) and Regional Analysis, 2023-2030

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Abstracts

Global Polymer Gel Market is valued at approximately USD xxx billion in 2022 and is anticipated to grow with a healthy growth rate of more than xxx over the forecast period 2023-2030. Polymer gel is a type of gel formed by a three-dimensional network of polymer chains that are cross-linked together. The gel is typically composed of a solvent or liquid dispersed within the polymer matrix. The cross-linking of the polymer chains gives the gel its unique properties, including its ability to retain large amounts of liquid or swell in the presence of a solvent. The growth of the Polymer Gel industry is being driven by the modernization of agriculture, increased investments in medical and healthcare sectors, and utilization in electrical and electronic industries for insulation and various applications such as bellows, pumps, and acoustic insulation. Factors such as effective heat control and efficient performance contribute to this industry's overall growth.

The modernization of the agricultural sector is positively impacting the growth of the Polymer Gel market. These gels can improve crop yield, enhance water efficiency, and reduce the need for chemical fertilizers and pesticides. According to the United States

Department of Agriculture, agriculture, food, and related industries contributed significantly to the United States' gross domestic product (GDP) in 2021, totaling to around USD 1.264 trillion, accounting for a 5.4-percent share. Specifically, the output from farms in the United States contributed USD 164.7 billion, representing about 0.7 percent of the country's GDP. Additionally, the growth and expansion of the healthcare sector and rising research and development provide lucrative opportunities to the market. However, the high cost of Polymer Gel stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Polymer Gel Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 owing to rising demand for personal care products and the high demand for superabsorbent gels from agricultural countries like India also a rapidly increasing new-born population as well as a growing awareness about personal hygiene is driving diaper demand. North America is expected to grow significantly during the forecast period, owing to the penetration and marketing of personal care products through digital channels are significantly influencing consumer lifestyles. Moreover, the accessibility of luxurious personal care products to the average consumer, particularly among millennials, is further driving the demand for such products in the region.

Major market player included in this report are:

Sumitomo Seika Chemicals Co. Ltd.

Ma's Group Inc.

FIMA Group Ltd

Evonik Industries

Saudi Arabian Amiantit Company

BASF Corporation

LG Chemicals Ltd.

Chemtex Specialty Limited

Dow Chemicals

Enduro Composites Inc.

Recent Developments in the Market:

In May 2020, BASF announces Luviset 360, a new styling polymer that performs well in all six dimensions. The new product offers a strong, flexible, and long-lasting grip while minimising flaking. It also supports anti-pollution claims and allows for the development of new textures.

Global Polymer Gel Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Type, Form, Raw Materials, End Use Industry, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Hydrogel

Aerogel

Others

By Form:

Particle Forms

Amorphous Gel

Sheets

Solid Moulded Forms

Blankets

Others

By Raw Materials:

Polyacrylic Acid

Polyacrylamide

Polyacrylates

Polyvinyl Alcohol

Polyacrylonitrile

Silicone

By End Use Industry:

Healthcare

Agriculture

Water Treatment

Cosmetics and Personal Care

Building Construction

Electrical and Electronics

Chemical

Others

By Region:**North America**

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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