

# **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**

<https://marketpublishers.com/r/G81D9BB4B729EN.html>

Date: July 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G81D9BB4B729EN

## **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

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
  - 1.2.1. Polymer Gel Market, by Region, 2020-2030 (USD Billion)
  - 1.2.2. Polymer Gel Market, by Type, 2020-2030 (USD Billion)
  - 1.2.3. Polymer Gel Market, by Form, 2020-2030 (USD Billion)
  - 1.2.4. Polymer Gel Market, by Raw Materials, 2020-2030 (USD Billion)
  - 1.2.5. Polymer Gel Market, by End Use Industry, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL POLYMER GEL MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Industry Evolution
  - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL POLYMER GEL MARKET DYNAMICS

- 3.1. Polymer Gel Market Impact Analysis (2020-2030)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Increasing modernization of agriculture
    - 3.1.1.2. Increased investments in medical and healthcare sectors
    - 3.1.1.3. Rising demand for polymer gel in electronic industries
  - 3.1.2. Market Challenges
    - 3.1.2.1. Fluctuation in the price of raw material
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Growth and Expansion of the healthcare sector
    - 3.1.3.2. Growing Focus on research and development

### CHAPTER 4. GLOBAL POLYMER GEL MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
  - 4.3.5. Environmental
  - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL POLYMER GEL MARKET, BY TYPE**

- 5.1. Market Snapshot
- 5.2. Global Polymer Gel Market by Type, Performance - Potential Analysis
- 5.3. Global Polymer Gel Market Estimates & Forecasts by Type 2020-2030 (USD Billion)
- 5.4. Polymer Gel Market, Sub Segment Analysis
  - 5.4.1. Hydrogel
  - 5.4.2. Aerogel
  - 5.4.3. Others

## **CHAPTER 6. GLOBAL POLYMER GEL MARKET, BY FORM**

- 6.1. Market Snapshot
- 6.2. Global Polymer Gel Market by Form, Performance - Potential Analysis
- 6.3. Global Polymer Gel Market Estimates & Forecasts by Form 2020-2030 (USD Billion)
- 6.4. Polymer Gel Market, Sub Segment Analysis

- 6.4.1. Particle Forms
- 6.4.2. Amorphous Gel
- 6.4.3. Sheets
- 6.4.4. Solid Moulded Forms
- 6.4.5. Blankets
- 6.4.6. Others

## **CHAPTER 7. GLOBAL POLYMER GEL MARKET, BY RAW MATERIALS**

- 7.1. Market Snapshot
- 7.2. Global Polymer Gel Market by Raw Materials, Performance - Potential Analysis
- 7.3. Global Polymer Gel Market Estimates & Forecasts by Raw Materials 2020-2030 (USD Billion)
- 7.4. Polymer Gel Market, Sub Segment Analysis
  - 7.4.1. Polyacrylic Acid
  - 7.4.2. Polyacrylamide
  - 7.4.3. Polyacrylates
  - 7.4.4. Polyvinyl Alcohol
  - 7.4.5. Polyacrylonitrile
  - 7.4.6. Silicone

## **CHAPTER 8. GLOBAL POLYMER GEL MARKET, BY END USE INDUSTRY**

- 8.1. Market Snapshot
- 8.2. Global Polymer Gel Market by End Use Industry, Performance - Potential Analysis
- 8.3. Global Polymer Gel Market Estimates & Forecasts by End Use Industry 2020-2030 (USD Billion)
- 8.4. Polymer Gel Market, Sub Segment Analysis
  - 8.4.1. Healthcare
  - 8.4.2. Agriculture
  - 8.4.3. Water Treatment
  - 8.4.4. Cosmetics and Personal Care
  - 8.4.5. Building Construction
  - 8.4.6. Chemical
  - 8.4.7. Electrical and Electronic
  - 8.4.8. Others

## **CHAPTER 9. GLOBAL POLYMER GEL MARKET, REGIONAL ANALYSIS**

- 9.1. Top Leading Countries
- 9.2. Top Emerging Countries
- 9.3. Polymer Gel Market, Regional Market Snapshot
- 9.4. North America Polymer Gel Market
  - 9.4.1. U.S. Polymer Gel Market
    - 9.4.1.1. Type breakdown estimates & forecasts, 2020-2030
    - 9.4.1.2. Form breakdown estimates & forecasts, 2020-2030
    - 9.4.1.3. Raw Materials breakdown estimates & forecasts, 2020-2030
    - 9.4.1.4. End Use Industry breakdown estimates & forecasts, 2020-2030
  - 9.4.2. Canada Polymer Gel Market
- 9.5. Europe Polymer Gel Market Snapshot
  - 9.5.1. U.K. Polymer Gel Market
  - 9.5.2. Germany Polymer Gel Market
  - 9.5.3. France Polymer Gel Market
  - 9.5.4. Spain Polymer Gel Market
  - 9.5.5. Italy Polymer Gel Market
  - 9.5.6. Rest of Europe Polymer Gel Market
- 9.6. Asia-Pacific Polymer Gel Market Snapshot
  - 9.6.1. China Polymer Gel Market
  - 9.6.2. India Polymer Gel Market
  - 9.6.3. Japan Polymer Gel Market
  - 9.6.4. Australia Polymer Gel Market
  - 9.6.5. South Korea Polymer Gel Market
  - 9.6.6. Rest of Asia Pacific Polymer Gel Market
- 9.7. Latin America Polymer Gel Market Snapshot
  - 9.7.1. Brazil Polymer Gel Market
  - 9.7.2. Mexico Polymer Gel Market
- 9.8. Middle East & Africa Polymer Gel Market
  - 9.8.1. Saudi Arabia Polymer Gel Market
  - 9.8.2. South Africa Polymer Gel Market
  - 9.8.3. Rest of Middle East & Africa Polymer Gel Market

## **CHAPTER 10. COMPETITIVE INTELLIGENCE**

- 10.1. Key Company SWOT Analysis
  - 10.1.1. Company
  - 10.1.2. Company
  - 10.1.3. Company
- 10.2. Top Market Strategies



### 10.3. Company Profiles

#### 10.3.1. Sumitomo Seika Chemicals Co. Ltd.

##### 10.3.1.1. Key Information

##### 10.3.1.2. Overview

##### 10.3.1.3. Financial (Subject to Data Availability)

##### 10.3.1.4. Product Summary

##### 10.3.1.5. Recent Developments

#### 10.3.2. Ma's Group Inc.

#### 10.3.3. FIMA Group Ltd

#### 10.3.4. Evonik Industries

#### 10.3.5. Saudi Arabian Amiantit Company

#### 10.3.6. BASF Corporation

#### 10.3.7. LG Chemicals Ltd.

#### 10.3.8. Chemtex Specialty Limited

#### 10.3.9. Dow Chemicals

#### 10.3.10. Enduro Composites Inc.

## CHAPTER 11. RESEARCH PROCESS

### 11.1. Research Process

#### 11.1.1. Data Mining

#### 11.1.2. Analysis

#### 11.1.3. Market Estimation

#### 11.1.4. Validation

#### 11.1.5. Publishing

### 11.2. Research Attributes

### 11.3. Research Assumption

## List Of Tables

### LIST OF TABLES

TABLE 1. Global Polymer Gel Market, report scope

TABLE 2. Global Polymer Gel Market estimates & forecasts by Region 2020-2030 (USD Billion)

TABLE 3. Global Polymer Gel Market estimates & forecasts by Type 2020-2030 (USD Billion)

TABLE 4. Global Polymer Gel Market estimates & forecasts by Form 2020-2030 (USD Billion)

TABLE 5. Global Polymer Gel Market estimates & forecasts by Raw Materials 2020-2030 (USD Billion)

TABLE 6. Global Polymer Gel Market estimates & forecasts by End Use Industry 2020-2030 (USD Billion)

TABLE 7. Global Polymer Gel Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 8. Global Polymer Gel Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 9. Global Polymer Gel Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 10. Global Polymer Gel Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 11. Global Polymer Gel Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 12. Global Polymer Gel Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 13. Global Polymer Gel Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 14. Global Polymer Gel Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 15. Global Polymer Gel Market by segment, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 16. Global Polymer Gel Market by region, estimates & forecasts, 2020-2030 (USD Billion)

TABLE 17. U.S. Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 18. U.S. Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 19. U.S. Polymer Gel Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 20. Canada Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 21. Canada Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 22. Canada Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 23. UK Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 24. UK Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 25. UK Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 26. Germany Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 27. Germany Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 28. Germany Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 29. France Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 30. France Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 31. France Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 32. Italy Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 33. Italy Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 34. Italy Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 35. Spain Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 36. Spain Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 37. Spain Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 38. RoE Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 39. RoE Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 40. RoE Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 41. China Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 42. China Polymer Gel Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 43. China Polymer Gel Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 44. India Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 45. India Polymer Gel Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 46. India Polymer Gel Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 47. Japan Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 48. Japan Polymer Gel Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 49. Japan Polymer Gel Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 50. South Korea Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 51. South Korea Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 52. South Korea Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 53. Australia Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 54. Australia Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 55. Australia Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 56. RoAPAC Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 57. RoAPAC Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 58. RoAPAC Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 59. Brazil Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 60. Brazil Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 61. Brazil Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 62. Mexico Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 63. Mexico Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 64. Mexico Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 65. RoLA Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 66. RoLA Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 67. RoLA Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 68. Saudi Arabia Polymer Gel Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 69. South Africa Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 70. RoMEA Polymer Gel Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 71. List of secondary sources, used in the study of global Polymer Gel Market

TABLE 72. List of primary sources, used in the study of global Polymer Gel Market

TABLE 73. Years considered for the study

TABLE 74. Exchange rates considered

List of tables and figures are dummy in nature, final lists may vary in the final deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Polymer Gel Market, research methodology
  - FIG 2. Global Polymer Gel Market, Market estimation techniques
  - FIG 3. Global Market size estimates & forecast methods
  - FIG 4. Global Polymer Gel Market, key trends 2022
  - FIG 5. Global Polymer Gel Market, growth prospects 2023-2030
  - FIG 6. Global Polymer Gel Market, porters 5 force model
  - FIG 7. Global Polymer Gel Market, pest analysis
  - FIG 8. Global Polymer Gel Market, value chain analysis
  - FIG 9. Global Polymer Gel Market by segment, 2020 & 2030 (USD Billion)
  - FIG 10. Global Polymer Gel Market by segment, 2020 & 2030 (USD Billion)
  - FIG 11. Global Polymer Gel Market by segment, 2020 & 2030 (USD Billion)
  - FIG 12. Global Polymer Gel Market by segment, 2020 & 2030 (USD Billion)
  - FIG 13. Global Polymer Gel Market by segment, 2020 & 2030 (USD Billion)
  - FIG 14. Global Polymer Gel Market, regional snapshot 2020 & 2030
  - FIG 15. North America Polymer Gel Market 2020 & 2030 (USD Billion)
  - FIG 16. Europe Polymer Gel Market 2020 & 2030 (USD Billion)
  - FIG 17. Asia pacific Polymer Gel Market 2020 & 2030 (USD Billion)
  - FIG 18. Latin America Polymer Gel Market 2020 & 2030 (USD Billion)
  - FIG 19. Middle East & Africa Polymer Gel Market 2020 & 2030 (USD Billion)
- List of tables and figures are dummy in nature, final lists may vary in the final deliverable

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