

Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Market Growth 2026-2032

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Abstracts

The global Polyethylene Glycol-Based Synthetic Hydrogel Sealant market size is predicted to grow from US\$ million in 2025 to US\$ million in 2032; it is expected to grow at a CAGR of % from 2026 to 2032.

Polyethylene glycol-based synthetic hydrogel sealant is a medical-grade adhesive used to seal tissues and prevent leaks during and after surgical procedures. Made from polyethylene glycol (PEG), these hydrogels form a flexible, biocompatible, and biodegradable seal when applied to tissue surfaces. They are particularly useful in surgeries involving delicate or hard-to-reach areas, providing a barrier to fluids and promoting tissue healing. The sealant works by cross-linking PEG molecules upon application, creating a gel-like substance that adheres to the tissue and forms a protective layer. This technology is valuable in minimizing complications such as leaks, infections, and excessive bleeding, thus improving patient outcomes and recovery times.

United States market for Polyethylene Glycol-Based Synthetic Hydrogel Sealant is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Polyethylene Glycol-Based Synthetic Hydrogel Sealant is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Polyethylene Glycol-Based Synthetic Hydrogel Sealant is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Polyethylene Glycol-Based Synthetic Hydrogel Sealant players cover Baxter, Becton Dickinson, Boston Scientific, Cardinal Health, Medtronic, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Polyethylene Glycol-Based Synthetic Hydrogel Sealant Industry Forecast" looks at past sales and reviews total world Polyethylene Glycol-Based Synthetic Hydrogel Sealant sales in 2025, providing a comprehensive analysis by region and market sector of projected Polyethylene Glycol-Based Synthetic Hydrogel Sealant sales for 2026 through 2032. With Polyethylene Glycol-Based Synthetic Hydrogel Sealant sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Polyethylene Glycol-Based Synthetic Hydrogel Sealant industry.

This Insight Report provides a comprehensive analysis of the global Polyethylene Glycol-Based Synthetic Hydrogel Sealant landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Polyethylene Glycol-Based Synthetic Hydrogel Sealant portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Polyethylene Glycol-Based Synthetic Hydrogel Sealant market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Polyethylene Glycol-Based Synthetic Hydrogel Sealant and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Polyethylene Glycol-Based Synthetic Hydrogel Sealant.

This report presents a comprehensive overview, market shares, and growth opportunities of Polyethylene Glycol-Based Synthetic Hydrogel Sealant market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

4-Arm PEGs

8-Arm PEGs

Multi-Arm PEGs

Segmentation by Application:

Surgical Closure and Hemostasis

Radiation Therapy Tissue Barrier

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Baxter

Becton Dickinson

Boston Scientific

Cardinal Health

Medtronic

Stryker

Integra LifeSciences

Pramand

Success Bio-Tech

Medprin Biotech

Key Questions Addressed in this Report

What is the 10-year outlook for the global Polyethylene Glycol-Based Synthetic Hydrogel Sealant market?

What factors are driving Polyethylene Glycol-Based Synthetic Hydrogel Sealant market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Polyethylene Glycol-Based Synthetic Hydrogel Sealant market opportunities vary by end market size?

How does Polyethylene Glycol-Based Synthetic Hydrogel Sealant break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

2.1.1 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Annual Sales 2021-2032

2.1.2 World Current & Future Analysis for Polyethylene Glycol-Based Synthetic Hydrogel Sealant by Geographic Region, 2021, 2025 & 2032

2.1.3 World Current & Future Analysis for Polyethylene Glycol-Based Synthetic Hydrogel Sealant by Country/Region, 2021, 2025 & 2032

2.2 Polyethylene Glycol-Based Synthetic Hydrogel Sealant Segment by Type

2.2.1 4-Arm PEGs

2.2.2 8-Arm PEGs

2.2.3 Multi-Arm PEGs

2.2.4 Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Type

2.2.4.1 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Type (2021-2026)

2.2.4.2 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue and Market Share by Type (2021-2026)

2.2.4.3 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sale Price by Type (2021-2026)

2.3 Polyethylene Glycol-Based Synthetic Hydrogel Sealant Segment by Application

2.3.1 Surgical Closure and Hemostasis

2.3.2 Radiation Therapy Tissue Barrier

2.3.3 Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Application

2.3.3.1 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sale Market Share by Application (2021-2026)

2.3.3.2 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue and Market Share by Application (2021-2026)

2.3.3.3 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Breakdown Data by Company

3.1.1 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Annual Sales by Company (2021-2026)

3.1.2 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Company (2021-2026)

3.2 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Annual Revenue by Company (2021-2026)

3.2.1 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue by Company (2021-2026)

3.2.2 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share by Company (2021-2026)

3.3 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sale Price by Company

3.4 Key Manufacturers Polyethylene Glycol-Based Synthetic Hydrogel Sealant Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Location Distribution

3.4.2 Players Polyethylene Glycol-Based Synthetic Hydrogel Sealant Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR POLYETHYLENE GLYCOL-BASED SYNTHETIC HYDROGEL SEALANT BY GEOGRAPHIC REGION

4.1 World Historic Polyethylene Glycol-Based Synthetic Hydrogel Sealant Market Size by Geographic Region (2021-2026)

4.1.1 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Polyethylene Glycol-Based Synthetic Hydrogel Sealant Market Size by Country/Region (2021-2026)

4.2.1 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Annual Sales by Country/Region (2021-2026)

4.2.2 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Annual Revenue by Country/Region (2021-2026)

4.3 Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Growth

4.4 APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Growth

4.5 Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Growth

4.6 Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Growth

5 AMERICAS

5.1 Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Country

5.1.1 Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Country (2021-2026)

5.1.2 Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue by Country (2021-2026)

5.2 Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Type (2021-2026)

5.3 Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Region

6.1.1 APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Region (2021-2026)

6.1.2 APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue by Region (2021-2026)

6.2 APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Type (2021-2026)

6.3 APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant by Country

7.1.1 Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Country (2021-2026)

7.1.2 Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue by Country (2021-2026)

7.2 Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Type (2021-2026)

7.3 Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant by Country

8.1.1 Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Country (2021-2026)

8.1.2 Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue by Country (2021-2026)

8.2 Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Type (2021-2026)

8.3 Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Application (2021-2026)

- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Polyethylene Glycol-Based Synthetic Hydrogel Sealant
- 10.3 Manufacturing Process Analysis of Polyethylene Glycol-Based Synthetic Hydrogel Sealant
- 10.4 Industry Chain Structure of Polyethylene Glycol-Based Synthetic Hydrogel Sealant

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 Polyethylene Glycol-Based Synthetic Hydrogel Sealant Distributors
- 11.3 Polyethylene Glycol-Based Synthetic Hydrogel Sealant Customer

12 WORLD FORECAST REVIEW FOR POLYETHYLENE GLYCOL-BASED SYNTHETIC HYDROGEL SEALANT BY GEOGRAPHIC REGION

- 12.1 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Market Size Forecast by Region
 - 12.1.1 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Forecast by Region (2027-2032)
 - 12.1.2 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Annual Revenue Forecast by Region (2027-2032)
- 12.2 Americas Forecast by Country (2027-2032)

- 12.3 APAC Forecast by Region (2027-2032)
- 12.4 Europe Forecast by Country (2027-2032)
- 12.5 Middle East & Africa Forecast by Country (2027-2032)
- 12.6 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Forecast by Type (2027-2032)
- 12.7 Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Baxter

13.1.1 Baxter Company Information

13.1.2 Baxter Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

13.1.3 Baxter Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Baxter Main Business Overview

13.1.5 Baxter Latest Developments

13.2 Becton Dickinson

13.2.1 Becton Dickinson Company Information

13.2.2 Becton Dickinson Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

13.2.3 Becton Dickinson Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Becton Dickinson Main Business Overview

13.2.5 Becton Dickinson Latest Developments

13.3 Boston Scientific

13.3.1 Boston Scientific Company Information

13.3.2 Boston Scientific Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

13.3.3 Boston Scientific Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Boston Scientific Main Business Overview

13.3.5 Boston Scientific Latest Developments

13.4 Cardinal Health

13.4.1 Cardinal Health Company Information

13.4.2 Cardinal Health Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

13.4.3 Cardinal Health Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales,

Revenue, Price and Gross Margin (2021-2026)

13.4.4 Cardinal Health Main Business Overview

13.4.5 Cardinal Health Latest Developments

13.5 Medtronic

13.5.1 Medtronic Company Information

13.5.2 Medtronic Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product

Portfolios and Specifications

13.5.3 Medtronic Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 Medtronic Main Business Overview

13.5.5 Medtronic Latest Developments

13.6 Stryker

13.6.1 Stryker Company Information

13.6.2 Stryker Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product

Portfolios and Specifications

13.6.3 Stryker Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Stryker Main Business Overview

13.6.5 Stryker Latest Developments

13.7 Integra LifeSciences

13.7.1 Integra LifeSciences Company Information

13.7.2 Integra LifeSciences Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

13.7.3 Integra LifeSciences Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Integra LifeSciences Main Business Overview

13.7.5 Integra LifeSciences Latest Developments

13.8 Pramand

13.8.1 Pramand Company Information

13.8.2 Pramand Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

13.8.3 Pramand Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 Pramand Main Business Overview

13.8.5 Pramand Latest Developments

13.9 Success Bio-Tech

13.9.1 Success Bio-Tech Company Information

13.9.2 Success Bio-Tech Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

13.9.3 Success Bio-Tech Polyethylene Glycol-Based Synthetic Hydrogel Sealant
Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Success Bio-Tech Main Business Overview

13.9.5 Success Bio-Tech Latest Developments

13.10 Medprin Biotech

13.10.1 Medprin Biotech Company Information

13.10.2 Medprin Biotech Polyethylene Glycol-Based Synthetic Hydrogel Sealant
Product Portfolios and Specifications

13.10.3 Medprin Biotech Polyethylene Glycol-Based Synthetic Hydrogel Sealant
Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 Medprin Biotech Main Business Overview

13.10.5 Medprin Biotech Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Polyethylene Glycol-Based Synthetic Hydrogel Sealant Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Polyethylene Glycol-Based Synthetic Hydrogel Sealant Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of 4-Arm PEGs

Table 4. Major Players of 8-Arm PEGs

Table 5. Major Players of Multi-Arm PEGs

Table 6. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Type (2021-2026) & (Units)

Table 7. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Type (2021-2026)

Table 8. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue by Type (2021-2026) & (\$ million)

Table 9. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share by Type (2021-2026)

Table 10. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sale Price by Type (2021-2026) & (US\$/Unit)

Table 11. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sale by Application (2021-2026) & (Units)

Table 12. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sale Market Share by Application (2021-2026)

Table 13. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue by Application (2021-2026) & (\$ million)

Table 14. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share by Application (2021-2026)

Table 15. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sale Price by Application (2021-2026) & (US\$/Unit)

Table 16. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Company (2021-2026) & (Units)

Table 17. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Company (2021-2026)

Table 18. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue by Company (2021-2026) & (\$ millions)

Table 19. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share by Company (2021-2026)

Table 20. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sale Price by Company (2021-2026) & (US\$/Unit)

Table 21. Key Manufacturers Polyethylene Glycol-Based Synthetic Hydrogel Sealant Producing Area Distribution and Sales Area

Table 22. Players Polyethylene Glycol-Based Synthetic Hydrogel Sealant Products Offered

Table 23. Polyethylene Glycol-Based Synthetic Hydrogel Sealant Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 24. New Products and Potential Entrants

Table 25. Market M&A Activity & Strategy

Table 26. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Geographic Region (2021-2026) & (Units)

Table 27. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share Geographic Region (2021-2026)

Table 28. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 29. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share by Geographic Region (2021-2026)

Table 30. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Country/Region (2021-2026) & (Units)

Table 31. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Country/Region (2021-2026)

Table 32. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue by Country/Region (2021-2026) & (\$ millions)

Table 33. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share by Country/Region (2021-2026)

Table 34. Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Country (2021-2026) & (Units)

Table 35. Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Country (2021-2026)

Table 36. Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue by Country (2021-2026) & (\$ millions)

Table 37. Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Type (2021-2026) & (Units)

Table 38. Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Application (2021-2026) & (Units)

Table 39. APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Region (2021-2026) & (Units)

Table 40. APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market

Share by Region (2021-2026)

Table 41. APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue by Region (2021-2026) & (\$ millions)

Table 42. APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Type (2021-2026) & (Units)

Table 43. APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Application (2021-2026) & (Units)

Table 44. Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Country (2021-2026) & (Units)

Table 45. Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue by Country (2021-2026) & (\$ millions)

Table 46. Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Type (2021-2026) & (Units)

Table 47. Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Application (2021-2026) & (Units)

Table 48. Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Country (2021-2026) & (Units)

Table 49. Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share by Country (2021-2026)

Table 50. Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Type (2021-2026) & (Units)

Table 51. Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Application (2021-2026) & (Units)

Table 52. Key Market Drivers & Growth Opportunities of Polyethylene Glycol-Based Synthetic Hydrogel Sealant

Table 53. Key Market Challenges & Risks of Polyethylene Glycol-Based Synthetic Hydrogel Sealant

Table 54. Key Industry Trends of Polyethylene Glycol-Based Synthetic Hydrogel Sealant

Table 55. Polyethylene Glycol-Based Synthetic Hydrogel Sealant Raw Material

Table 56. Key Suppliers of Raw Materials

Table 57. Polyethylene Glycol-Based Synthetic Hydrogel Sealant Distributors List

Table 58. Polyethylene Glycol-Based Synthetic Hydrogel Sealant Customer List

Table 59. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Forecast by Region (2027-2032) & (Units)

Table 60. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 61. Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Forecast by Country (2027-2032) & (Units)

Table 62. Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 63. APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Forecast by Region (2027-2032) & (Units)

Table 64. APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 65. Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Forecast by Country (2027-2032) & (Units)

Table 66. Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 67. Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Forecast by Country (2027-2032) & (Units)

Table 68. Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 69. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Forecast by Type (2027-2032) & (Units)

Table 70. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 71. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Forecast by Application (2027-2032) & (Units)

Table 72. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 73. Baxter Basic Information, Polyethylene Glycol-Based Synthetic Hydrogel Sealant Manufacturing Base, Sales Area and Its Competitors

Table 74. Baxter Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

Table 75. Baxter Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 76. Baxter Main Business

Table 77. Baxter Latest Developments

Table 78. Becton Dickinson Basic Information, Polyethylene Glycol-Based Synthetic Hydrogel Sealant Manufacturing Base, Sales Area and Its Competitors

Table 79. Becton Dickinson Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

Table 80. Becton Dickinson Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 81. Becton Dickinson Main Business

Table 82. Becton Dickinson Latest Developments

Table 83. Boston Scientific Basic Information, Polyethylene Glycol-Based Synthetic

Hydrogel Sealant Manufacturing Base, Sales Area and Its Competitors

Table 84. Boston Scientific Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

Table 85. Boston Scientific Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 86. Boston Scientific Main Business

Table 87. Boston Scientific Latest Developments

Table 88. Cardinal Health Basic Information, Polyethylene Glycol-Based Synthetic Hydrogel Sealant Manufacturing Base, Sales Area and Its Competitors

Table 89. Cardinal Health Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

Table 90. Cardinal Health Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 91. Cardinal Health Main Business

Table 92. Cardinal Health Latest Developments

Table 93. Medtronic Basic Information, Polyethylene Glycol-Based Synthetic Hydrogel Sealant Manufacturing Base, Sales Area and Its Competitors

Table 94. Medtronic Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

Table 95. Medtronic Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 96. Medtronic Main Business

Table 97. Medtronic Latest Developments

Table 98. Stryker Basic Information, Polyethylene Glycol-Based Synthetic Hydrogel Sealant Manufacturing Base, Sales Area and Its Competitors

Table 99. Stryker Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

Table 100. Stryker Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 101. Stryker Main Business

Table 102. Stryker Latest Developments

Table 103. Integra LifeSciences Basic Information, Polyethylene Glycol-Based Synthetic Hydrogel Sealant Manufacturing Base, Sales Area and Its Competitors

Table 104. Integra LifeSciences Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

Table 105. Integra LifeSciences Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 106. Integra LifeSciences Main Business

Table 107. Integra LifeSciences Latest Developments

Table 108. Pramand Basic Information, Polyethylene Glycol-Based Synthetic Hydrogel Sealant Manufacturing Base, Sales Area and Its Competitors

Table 109. Pramand Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

Table 110. Pramand Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 111. Pramand Main Business

Table 112. Pramand Latest Developments

Table 113. Success Bio-Tech Basic Information, Polyethylene Glycol-Based Synthetic Hydrogel Sealant Manufacturing Base, Sales Area and Its Competitors

Table 114. Success Bio-Tech Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

Table 115. Success Bio-Tech Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 116. Success Bio-Tech Main Business

Table 117. Success Bio-Tech Latest Developments

Table 118. Medprin Biotech Basic Information, Polyethylene Glycol-Based Synthetic Hydrogel Sealant Manufacturing Base, Sales Area and Its Competitors

Table 119. Medprin Biotech Polyethylene Glycol-Based Synthetic Hydrogel Sealant Product Portfolios and Specifications

Table 120. Medprin Biotech Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 121. Medprin Biotech Main Business

Table 122. Medprin Biotech Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Polyethylene Glycol-Based Synthetic Hydrogel Sealant
- Figure 2. Polyethylene Glycol-Based Synthetic Hydrogel Sealant Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Growth Rate 2021-2032 (Units)
- Figure 7. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Country/Region (2025)
- Figure 10. Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of 4-Arm PEGs
- Figure 12. Product Picture of 8-Arm PEGs
- Figure 13. Product Picture of Multi-Arm PEGs
- Figure 14. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Type in 2026
- Figure 15. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share by Type (2021-2026)
- Figure 16. Polyethylene Glycol-Based Synthetic Hydrogel Sealant Consumed in Surgical Closure and Hemostasis
- Figure 17. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Market: Surgical Closure and Hemostasis (2021-2026) & (Units)
- Figure 18. Polyethylene Glycol-Based Synthetic Hydrogel Sealant Consumed in Radiation Therapy Tissue Barrier
- Figure 19. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Market: Radiation Therapy Tissue Barrier (2021-2026) & (Units)
- Figure 20. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sale Market Share by Application (2025)
- Figure 21. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share by Application in 2026

Figure 22. Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales by Company in 2026 (Units)

Figure 23. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Company in 2026

Figure 24. Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue by Company in 2026 (\$ millions)

Figure 25. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share by Company in 2026

Figure 26. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Geographic Region (2021-2026)

Figure 27. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share by Geographic Region in 2026

Figure 28. Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales 2021-2026 (Units)

Figure 29. Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue 2021-2026 (\$ millions)

Figure 30. APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales 2021-2026 (Units)

Figure 31. APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue 2021-2026 (\$ millions)

Figure 32. Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales 2021-2026 (Units)

Figure 33. Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue 2021-2026 (\$ millions)

Figure 34. Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales 2021-2026 (Units)

Figure 35. Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue 2021-2026 (\$ millions)

Figure 36. Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Country in 2026

Figure 37. Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share by Country (2021-2026)

Figure 38. Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Type (2021-2026)

Figure 39. Americas Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Application (2021-2026)

Figure 40. United States Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 41. Canada Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue

Growth 2021-2026 (\$ millions)

Figure 42. Mexico Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue

Growth 2021-2026 (\$ millions)

Figure 43. Brazil Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue

Growth 2021-2026 (\$ millions)

Figure 44. APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Region in 2026

Figure 45. APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share by Region (2021-2026)

Figure 46. APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Type (2021-2026)

Figure 47. APAC Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Application (2021-2026)

Figure 48. China Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 49. Japan Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 50. South Korea Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 51. Southeast Asia Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 52. India Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 53. Australia Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 54. China Taiwan Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 55. Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Country in 2026

Figure 56. Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share by Country (2021-2026)

Figure 57. Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Type (2021-2026)

Figure 58. Europe Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Application (2021-2026)

Figure 59. Germany Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 60. France Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 61. UK Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 62. Italy Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 63. Russia Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 64. Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Country (2021-2026)

Figure 65. Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Type (2021-2026)

Figure 66. Middle East & Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share by Application (2021-2026)

Figure 67. Egypt Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 68. South Africa Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 69. Israel Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 70. Turkey Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 71. GCC Countries Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Growth 2021-2026 (\$ millions)

Figure 72. Manufacturing Cost Structure Analysis of Polyethylene Glycol-Based Synthetic Hydrogel Sealant in 2026

Figure 73. Manufacturing Process Analysis of Polyethylene Glycol-Based Synthetic Hydrogel Sealant

Figure 74. Industry Chain Structure of Polyethylene Glycol-Based Synthetic Hydrogel Sealant

Figure 75. Channels of Distribution

Figure 76. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Forecast by Region (2027-2032)

Figure 77. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share Forecast by Region (2027-2032)

Figure 78. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share Forecast by Type (2027-2032)

Figure 79. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share Forecast by Type (2027-2032)

Figure 80. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Sales Market Share Forecast by Application (2027-2032)

Figure 81. Global Polyethylene Glycol-Based Synthetic Hydrogel Sealant Revenue Market Share Forecast by Application (2027-2032)

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