

Global Self-healing Hydrogel Market Growth 2026-2032

<https://marketpublishers.com/r/G6E6F034A025EN.html>

Date: July 2026

Pages: 130

Price: US\$ 3,660.00 (Single User License)

ID: G6E6F034A025EN

Abstracts

The global Self-healing Hydrogel market size is predicted to grow from US\$ 701 million in 2025 to US\$ 2070 million in 2032; it is expected to grow at a CAGR of 16.8% from 2026 to 2032.

Self-healing hydrogel is a class of soft, water-rich polymer networks that can autonomously repair physical or chemical damage after being cut, stretched, or broken, due to the presence of dynamic reversible bonds (such as hydrogen bonding, ionic interactions, host?guest interactions, metal?ligand coordination, or dynamic covalent bonds like Schiff base or disulfide linkages) within their structure; these materials mimic biological tissues and are widely used in biomedical, electronic, and soft robotics applications. The supply chain of self-healing hydrogels starts upstream with raw materials and functional monomers (e.g., acrylic acid, acrylamide, polyethylene glycol, chitosan, alginate, and other biopolymers), crosslinking agents (dynamic or reversible), and additives (nanofillers, conductive materials, bioactive molecules), supplied by chemical and biomaterial companies; the midstream involves hydrogel formulation, synthesis (polymerization, gelation, or supramolecular assembly), and functional modification by specialized material manufacturers and research-driven firms; downstream, these hydrogels are integrated into end-use products such as wound dressings, drug delivery systems, tissue engineering scaffolds, wearable sensors, and soft actuators, which are then distributed to industries including healthcare, pharmaceuticals, flexible electronics, and robotics, with increasing customization and regulatory compliance (especially in medical applications) shaping the overall value chain. In 2025, global Self-healing Hydrogel output was about 55,000 tons with 80,000 tons of capacity, average prices of USD 12,000?26,000 per ton, and gross margins around 43%.

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

Global key Self-healing Hydrogel players cover 3M Company (USA), Smith+Nephew (UK), ConvaTec (UK), Coloplast (Denmark), M?Inlycke (Sweden), 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 "Self-healing Hydrogel Industry Forecast" looks at past sales and reviews total world Self-healing Hydrogel sales in 2025, providing a comprehensive analysis by region and market sector of projected Self-healing Hydrogel sales for 2026 through 2032. With Self-healing Hydrogel sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Self-healing Hydrogel industry.

This Insight Report provides a comprehensive analysis of the global Self-healing Hydrogel 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 Self-healing Hydrogel portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Self-healing Hydrogel market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Self-healing Hydrogel 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 Self-healing Hydrogel.

This report presents a comprehensive overview, market shares, and growth opportunities of Self-healing Hydrogel market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Natural Polymer-Based

Synthetic Polymer-Based

Segmentation by Elastic Modulus:

1-10 kPa

10-300 kPa

Segmentation by Application:

Healthcare

Electronic

Soft Robotic

Others

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.

3M Company (USA)

Smith+Nephew (UK)

ConvaTec (UK)

Coloplast (Denmark)

M?Inlycke (Sweden)

Paul Hartmann (Germany)

Ocular Therapeutix (USA)

Seikagaku (Japan)

Axelgaard (USA)

Katecho (USA)

Contipro (Czech)

SupraPolix (Netherlands)

Gelomics (Australia)

Haohai Biological Technology (China)

Quanding Medical (China)

Wuhan Huawei Technology (China)

Key Questions Addressed in this Report

What is the 10-year outlook for the global Self-healing Hydrogel market?

What factors are driving Self-healing Hydrogel market growth, globally and by region?

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

How do Self-healing Hydrogel market opportunities vary by end market size?
How does Self-healing Hydrogel 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 Self-healing Hydrogel Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for Self-healing Hydrogel by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for Self-healing Hydrogel by Country/Region, 2021, 2025 & 2032
- 2.2 Self-healing Hydrogel Segment by Type
 - 2.2.1 Natural Polymer-Based
 - 2.2.2 Synthetic Polymer-Based
 - 2.2.3 Self-healing Hydrogel Sales by Type
 - 2.2.3.1 Global Self-healing Hydrogel Sales Market Share by Type (2021-2026)
 - 2.2.3.2 Global Self-healing Hydrogel Revenue and Market Share by Type (2021-2026)
 - 2.2.3.3 Global Self-healing Hydrogel Sale Price by Type (2021-2026)
- 2.3 Self-healing Hydrogel Segment by Elastic Modulus
 - 2.3.1 1-10 kPa
 - 2.3.2 10-300 kPa
 - 2.3.3 Self-healing Hydrogel Sales by Elastic Modulus
 - 2.3.3.1 Global Self-healing Hydrogel Sales Market Share by Elastic Modulus (2021-2026)
 - 2.3.3.2 Global Self-healing Hydrogel Revenue and Market Share by Elastic Modulus (2021-2026)
 - 2.3.3.3 Global Self-healing Hydrogel Sale Price by Elastic Modulus (2021-2026)
- 2.4 Self-healing Hydrogel Segment by Application

- 2.4.1 Healthcare
- 2.4.2 Electronic
- 2.4.3 Soft Robotic
- 2.4.4 Others
- 2.4.5 Self-healing Hydrogel Sales by Application
 - 2.4.5.1 Global Self-healing Hydrogel Sale Market Share by Application (2021-2026)
 - 2.4.5.2 Global Self-healing Hydrogel Revenue and Market Share by Application (2021-2026)
 - 2.4.5.3 Global Self-healing Hydrogel Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

- 3.1 Global Self-healing Hydrogel Breakdown Data by Company
 - 3.1.1 Global Self-healing Hydrogel Annual Sales by Company (2021-2026)
 - 3.1.2 Global Self-healing Hydrogel Sales Market Share by Company (2021-2026)
- 3.2 Global Self-healing Hydrogel Annual Revenue by Company (2021-2026)
 - 3.2.1 Global Self-healing Hydrogel Revenue by Company (2021-2026)
 - 3.2.2 Global Self-healing Hydrogel Revenue Market Share by Company (2021-2026)
- 3.3 Global Self-healing Hydrogel Sale Price by Company
- 3.4 Key Manufacturers Self-healing Hydrogel Producing Area Distribution, Sales Area, Product Type
 - 3.4.1 Key Manufacturers Self-healing Hydrogel Product Location Distribution
 - 3.4.2 Players Self-healing Hydrogel 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 SELF-HEALING HYDROGEL BY GEOGRAPHIC REGION

- 4.1 World Historic Self-healing Hydrogel Market Size by Geographic Region (2021-2026)
 - 4.1.1 Global Self-healing Hydrogel Annual Sales by Geographic Region (2021-2026)
 - 4.1.2 Global Self-healing Hydrogel Annual Revenue by Geographic Region (2021-2026)
- 4.2 World Historic Self-healing Hydrogel Market Size by Country/Region (2021-2026)
 - 4.2.1 Global Self-healing Hydrogel Annual Sales by Country/Region (2021-2026)

- 4.2.2 Global Self-healing Hydrogel Annual Revenue by Country/Region (2021-2026)
- 4.3 Americas Self-healing Hydrogel Sales Growth
- 4.4 APAC Self-healing Hydrogel Sales Growth
- 4.5 Europe Self-healing Hydrogel Sales Growth
- 4.6 Middle East & Africa Self-healing Hydrogel Sales Growth

5 AMERICAS

- 5.1 Americas Self-healing Hydrogel Sales by Country
 - 5.1.1 Americas Self-healing Hydrogel Sales by Country (2021-2026)
 - 5.1.2 Americas Self-healing Hydrogel Revenue by Country (2021-2026)
- 5.2 Americas Self-healing Hydrogel Sales by Type (2021-2026)
- 5.3 Americas Self-healing Hydrogel Sales by Application (2021-2026)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Self-healing Hydrogel Sales by Region
 - 6.1.1 APAC Self-healing Hydrogel Sales by Region (2021-2026)
 - 6.1.2 APAC Self-healing Hydrogel Revenue by Region (2021-2026)
- 6.2 APAC Self-healing Hydrogel Sales by Type (2021-2026)
- 6.3 APAC Self-healing Hydrogel 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 Self-healing Hydrogel by Country
 - 7.1.1 Europe Self-healing Hydrogel Sales by Country (2021-2026)
 - 7.1.2 Europe Self-healing Hydrogel Revenue by Country (2021-2026)
- 7.2 Europe Self-healing Hydrogel Sales by Type (2021-2026)

7.3 Europe Self-healing Hydrogel 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 Self-healing Hydrogel by Country

8.1.1 Middle East & Africa Self-healing Hydrogel Sales by Country (2021-2026)

8.1.2 Middle East & Africa Self-healing Hydrogel Revenue by Country (2021-2026)

8.2 Middle East & Africa Self-healing Hydrogel Sales by Type (2021-2026)

8.3 Middle East & Africa Self-healing Hydrogel 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 Self-healing Hydrogel

10.3 Manufacturing Process Analysis of Self-healing Hydrogel

10.4 Industry Chain Structure of Self-healing Hydrogel

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Self-healing Hydrogel Distributors

11.3 Self-healing Hydrogel Customer

12 WORLD FORECAST REVIEW FOR SELF-HEALING HYDROGEL BY GEOGRAPHIC REGION

12.1 Global Self-healing Hydrogel Market Size Forecast by Region

12.1.1 Global Self-healing Hydrogel Forecast by Region (2027-2032)

12.1.2 Global Self-healing Hydrogel 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 Self-healing Hydrogel Forecast by Type (2027-2032)

12.7 Global Self-healing Hydrogel Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 3M Company (USA)

13.1.1 3M Company (USA) Company Information

13.1.2 3M Company (USA) Self-healing Hydrogel Product Portfolios and Specifications

13.1.3 3M Company (USA) Self-healing Hydrogel Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 3M Company (USA) Main Business Overview

13.1.5 3M Company (USA) Latest Developments

13.2 Smith+Nephew (UK)

13.2.1 Smith+Nephew (UK) Company Information

13.2.2 Smith+Nephew (UK) Self-healing Hydrogel Product Portfolios and Specifications

13.2.3 Smith+Nephew (UK) Self-healing Hydrogel Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Smith+Nephew (UK) Main Business Overview

13.2.5 Smith+Nephew (UK) Latest Developments

13.3 ConvaTec (UK)

13.3.1 ConvaTec (UK) Company Information

13.3.2 ConvaTec (UK) Self-healing Hydrogel Product Portfolios and Specifications

13.3.3 ConvaTec (UK) Self-healing Hydrogel Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 ConvaTec (UK) Main Business Overview

13.3.5 ConvaTec (UK) Latest Developments

13.4 Coloplast (Denmark)

13.4.1 Coloplast (Denmark) Company Information

13.4.2 Coloplast (Denmark) Self-healing Hydrogel Product Portfolios and Specifications

13.4.3 Coloplast (Denmark) Self-healing Hydrogel Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Coloplast (Denmark) Main Business Overview

13.4.5 Coloplast (Denmark) Latest Developments

13.5 M?Inlycke (Sweden)

13.5.1 M?Inlycke (Sweden) Company Information

13.5.2 M?Inlycke (Sweden) Self-healing Hydrogel Product Portfolios and Specifications

13.5.3 M?Inlycke (Sweden) Self-healing Hydrogel Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 M?Inlycke (Sweden) Main Business Overview

13.5.5 M?Inlycke (Sweden) Latest Developments

13.6 Paul Hartmann (Germany)

13.6.1 Paul Hartmann (Germany) Company Information

13.6.2 Paul Hartmann (Germany) Self-healing Hydrogel Product Portfolios and Specifications

13.6.3 Paul Hartmann (Germany) Self-healing Hydrogel Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Paul Hartmann (Germany) Main Business Overview

13.6.5 Paul Hartmann (Germany) Latest Developments

13.7 Ocular Therapeutix (USA)

13.7.1 Ocular Therapeutix (USA) Company Information

13.7.2 Ocular Therapeutix (USA) Self-healing Hydrogel Product Portfolios and Specifications

13.7.3 Ocular Therapeutix (USA) Self-healing Hydrogel Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Ocular Therapeutix (USA) Main Business Overview

13.7.5 Ocular Therapeutix (USA) Latest Developments

13.8 Seikagaku (Japan)

13.8.1 Seikagaku (Japan) Company Information

13.8.2 Seikagaku (Japan) Self-healing Hydrogel Product Portfolios and Specifications

13.8.3 Seikagaku (Japan) Self-healing Hydrogel Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 Seikagaku (Japan) Main Business Overview

13.8.5 Seikagaku (Japan) Latest Developments

13.9 Axelgaard (USA)

13.9.1 Axelgaard (USA) Company Information

13.9.2 Axelgaard (USA) Self-healing Hydrogel Product Portfolios and Specifications

13.9.3 Axelgaard (USA) Self-healing Hydrogel Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Axelgaard (USA) Main Business Overview

13.9.5 Axelgaard (USA) Latest Developments

13.10 Katecho (USA)

13.10.1 Katecho (USA) Company Information

13.10.2 Katecho (USA) Self-healing Hydrogel Product Portfolios and Specifications

13.10.3 Katecho (USA) Self-healing Hydrogel Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 Katecho (USA) Main Business Overview

13.10.5 Katecho (USA) Latest Developments

13.11 Contipro (Czech)

13.11.1 Contipro (Czech) Company Information

13.11.2 Contipro (Czech) Self-healing Hydrogel Product Portfolios and Specifications

13.11.3 Contipro (Czech) Self-healing Hydrogel Sales, Revenue, Price and Gross Margin (2021-2026)

13.11.4 Contipro (Czech) Main Business Overview

13.11.5 Contipro (Czech) Latest Developments

13.12 SupraPolix (Netherlands)

13.12.1 SupraPolix (Netherlands) Company Information

13.12.2 SupraPolix (Netherlands) Self-healing Hydrogel Product Portfolios and Specifications

13.12.3 SupraPolix (Netherlands) Self-healing Hydrogel Sales, Revenue, Price and Gross Margin (2021-2026)

13.12.4 SupraPolix (Netherlands) Main Business Overview

13.12.5 SupraPolix (Netherlands) Latest Developments

13.13 Gelomics (Australia)

13.13.1 Gelomics (Australia) Company Information

13.13.2 Gelomics (Australia) Self-healing Hydrogel Product Portfolios and Specifications

13.13.3 Gelomics (Australia) Self-healing Hydrogel Sales, Revenue, Price and Gross Margin (2021-2026)

13.13.4 Gelomics (Australia) Main Business Overview

13.13.5 Gelomics (Australia) Latest Developments

13.14 Haohai Biological Technology (China)

13.14.1 Haohai Biological Technology (China) Company Information

13.14.2 Haohai Biological Technology (China) Self-healing Hydrogel Product Portfolios and Specifications

13.14.3 Haohai Biological Technology (China) Self-healing Hydrogel Sales, Revenue, Price and Gross Margin (2021-2026)

13.14.4 Haohai Biological Technology (China) Main Business Overview

13.14.5 Haohai Biological Technology (China) Latest Developments

13.15 Quanding Medical (China)

13.15.1 Quanding Medical (China) Company Information

13.15.2 Quanding Medical (China) Self-healing Hydrogel Product Portfolios and Specifications

13.15.3 Quanding Medical (China) Self-healing Hydrogel Sales, Revenue, Price and Gross Margin (2021-2026)

13.15.4 Quanding Medical (China) Main Business Overview

13.15.5 Quanding Medical (China) Latest Developments

13.16 Wuhan Huawei Technology (China)

13.16.1 Wuhan Huawei Technology (China) Company Information

13.16.2 Wuhan Huawei Technology (China) Self-healing Hydrogel Product Portfolios and Specifications

13.16.3 Wuhan Huawei Technology (China) Self-healing Hydrogel Sales, Revenue, Price and Gross Margin (2021-2026)

13.16.4 Wuhan Huawei Technology (China) Main Business Overview

13.16.5 Wuhan Huawei Technology (China) Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Self-healing Hydrogel Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Self-healing Hydrogel Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Natural Polymer-Based

Table 4. Major Players of Synthetic Polymer-Based

Table 5. Global Self-healing Hydrogel Sales by Type (2021-2026) & (Tons)

Table 6. Global Self-healing Hydrogel Sales Market Share by Type (2021-2026)

Table 7. Global Self-healing Hydrogel Revenue by Type (2021-2026) & (\$ million)

Table 8. Global Self-healing Hydrogel Revenue Market Share by Type (2021-2026)

Table 9. Global Self-healing Hydrogel Sale Price by Type (2021-2026) & (US\$/Ton)

Table 10. Major Players of 1-10 kPa

Table 11. Major Players of 10-300 kPa

Table 12. Global Self-healing Hydrogel Sales by Elastic Modulus (2021-2026) & (Tons)

Table 13. Global Self-healing Hydrogel Sales Market Share by Elastic Modulus (2021-2026)

Table 14. Global Self-healing Hydrogel Revenue by Elastic Modulus (2021-2026) & (\$ million)

Table 15. Global Self-healing Hydrogel Revenue Market Share by Elastic Modulus (2021-2026)

Table 16. Global Self-healing Hydrogel Sale Price by Elastic Modulus (2021-2026) & (US\$/Ton)

Table 17. Global Self-healing Hydrogel Sale by Application (2021-2026) & (Tons)

Table 18. Global Self-healing Hydrogel Sale Market Share by Application (2021-2026)

Table 19. Global Self-healing Hydrogel Revenue by Application (2021-2026) & (\$ million)

Table 20. Global Self-healing Hydrogel Revenue Market Share by Application (2021-2026)

Table 21. Global Self-healing Hydrogel Sale Price by Application (2021-2026) & (US\$/Ton)

Table 22. Global Self-healing Hydrogel Sales by Company (2021-2026) & (Tons)

Table 23. Global Self-healing Hydrogel Sales Market Share by Company (2021-2026)

Table 24. Global Self-healing Hydrogel Revenue by Company (2021-2026) & (\$ millions)

Table 25. Global Self-healing Hydrogel Revenue Market Share by Company

(2021-2026)

Table 26. Global Self-healing Hydrogel Sale Price by Company (2021-2026) & (US\$/Ton)

Table 27. Key Manufacturers Self-healing Hydrogel Producing Area Distribution and Sales Area

Table 28. Players Self-healing Hydrogel Products Offered

Table 29. Self-healing Hydrogel Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 30. New Products and Potential Entrants

Table 31. Market M&A Activity & Strategy

Table 32. Global Self-healing Hydrogel Sales by Geographic Region (2021-2026) & (Tons)

Table 33. Global Self-healing Hydrogel Sales Market Share Geographic Region (2021-2026)

Table 34. Global Self-healing Hydrogel Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 35. Global Self-healing Hydrogel Revenue Market Share by Geographic Region (2021-2026)

Table 36. Global Self-healing Hydrogel Sales by Country/Region (2021-2026) & (Tons)

Table 37. Global Self-healing Hydrogel Sales Market Share by Country/Region (2021-2026)

Table 38. Global Self-healing Hydrogel Revenue by Country/Region (2021-2026) & (\$ millions)

Table 39. Global Self-healing Hydrogel Revenue Market Share by Country/Region (2021-2026)

Table 40. Americas Self-healing Hydrogel Sales by Country (2021-2026) & (Tons)

Table 41. Americas Self-healing Hydrogel Sales Market Share by Country (2021-2026)

Table 42. Americas Self-healing Hydrogel Revenue by Country (2021-2026) & (\$ millions)

Table 43. Americas Self-healing Hydrogel Sales by Type (2021-2026) & (Tons)

Table 44. Americas Self-healing Hydrogel Sales by Application (2021-2026) & (Tons)

Table 45. APAC Self-healing Hydrogel Sales by Region (2021-2026) & (Tons)

Table 46. APAC Self-healing Hydrogel Sales Market Share by Region (2021-2026)

Table 47. APAC Self-healing Hydrogel Revenue by Region (2021-2026) & (\$ millions)

Table 48. APAC Self-healing Hydrogel Sales by Type (2021-2026) & (Tons)

Table 49. APAC Self-healing Hydrogel Sales by Application (2021-2026) & (Tons)

Table 50. Europe Self-healing Hydrogel Sales by Country (2021-2026) & (Tons)

Table 51. Europe Self-healing Hydrogel Revenue by Country (2021-2026) & (\$ millions)

Table 52. Europe Self-healing Hydrogel Sales by Type (2021-2026) & (Tons)

Table 53. Europe Self-healing Hydrogel Sales by Application (2021-2026) & (Tons)
Table 54. Middle East & Africa Self-healing Hydrogel Sales by Country (2021-2026) & (Tons)
Table 55. Middle East & Africa Self-healing Hydrogel Revenue Market Share by Country (2021-2026)
Table 56. Middle East & Africa Self-healing Hydrogel Sales by Type (2021-2026) & (Tons)
Table 57. Middle East & Africa Self-healing Hydrogel Sales by Application (2021-2026) & (Tons)
Table 58. Key Market Drivers & Growth Opportunities of Self-healing Hydrogel
Table 59. Key Market Challenges & Risks of Self-healing Hydrogel
Table 60. Key Industry Trends of Self-healing Hydrogel
Table 61. Self-healing Hydrogel Raw Material
Table 62. Key Suppliers of Raw Materials
Table 63. Self-healing Hydrogel Distributors List
Table 64. Self-healing Hydrogel Customer List
Table 65. Global Self-healing Hydrogel Sales Forecast by Region (2027-2032) & (Tons)
Table 66. Global Self-healing Hydrogel Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 67. Americas Self-healing Hydrogel Sales Forecast by Country (2027-2032) & (Tons)
Table 68. Americas Self-healing Hydrogel Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 69. APAC Self-healing Hydrogel Sales Forecast by Region (2027-2032) & (Tons)
Table 70. APAC Self-healing Hydrogel Annual Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 71. Europe Self-healing Hydrogel Sales Forecast by Country (2027-2032) & (Tons)
Table 72. Europe Self-healing Hydrogel Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 73. Middle East & Africa Self-healing Hydrogel Sales Forecast by Country (2027-2032) & (Tons)
Table 74. Middle East & Africa Self-healing Hydrogel Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 75. Global Self-healing Hydrogel Sales Forecast by Type (2027-2032) & (Tons)
Table 76. Global Self-healing Hydrogel Revenue Forecast by Type (2027-2032) & (\$ millions)
Table 77. Global Self-healing Hydrogel Sales Forecast by Application (2027-2032) & (Tons)

Table 78. Global Self-healing Hydrogel Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 79. 3M Company (USA) Basic Information, Self-healing Hydrogel Manufacturing Base, Sales Area and Its Competitors

Table 80. 3M Company (USA) Self-healing Hydrogel Product Portfolios and Specifications

Table 81. 3M Company (USA) Self-healing Hydrogel Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 82. 3M Company (USA) Main Business

Table 83. 3M Company (USA) Latest Developments

Table 84. Smith+Nephew (UK) Basic Information, Self-healing Hydrogel Manufacturing Base, Sales Area and Its Competitors

Table 85. Smith+Nephew (UK) Self-healing Hydrogel Product Portfolios and Specifications

Table 86. Smith+Nephew (UK) Self-healing Hydrogel Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 87. Smith+Nephew (UK) Main Business

Table 88. Smith+Nephew (UK) Latest Developments

Table 89. ConvaTec (UK) Basic Information, Self-healing Hydrogel Manufacturing Base, Sales Area and Its Competitors

Table 90. ConvaTec (UK) Self-healing Hydrogel Product Portfolios and Specifications

Table 91. ConvaTec (UK) Self-healing Hydrogel Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 92. ConvaTec (UK) Main Business

Table 93. ConvaTec (UK) Latest Developments

Table 94. Coloplast (Denmark) Basic Information, Self-healing Hydrogel Manufacturing Base, Sales Area and Its Competitors

Table 95. Coloplast (Denmark) Self-healing Hydrogel Product Portfolios and Specifications

Table 96. Coloplast (Denmark) Self-healing Hydrogel Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 97. Coloplast (Denmark) Main Business

Table 98. Coloplast (Denmark) Latest Developments

Table 99. M?Inlycke (Sweden) Basic Information, Self-healing Hydrogel Manufacturing Base, Sales Area and Its Competitors

Table 100. M?Inlycke (Sweden) Self-healing Hydrogel Product Portfolios and Specifications

Table 101. M?Inlycke (Sweden) Self-healing Hydrogel Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 102. M?Inlycke (Sweden) Main Business

Table 103. M?Inlycke (Sweden) Latest Developments

Table 104. Paul Hartmann (Germany) Basic Information, Self-healing Hydrogel Manufacturing Base, Sales Area and Its Competitors

Table 105. Paul Hartmann (Germany) Self-healing Hydrogel Product Portfolios and Specifications

Table 106. Paul Hartmann (Germany) Self-healing Hydrogel Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 107. Paul Hartmann (Germany) Main Business

Table 108. Paul Hartmann (Germany) Latest Developments

Table 109. Ocular Therapeutix (USA) Basic Information, Self-healing Hydrogel Manufacturing Base, Sales Area and Its Competitors

Table 110. Ocular Therapeutix (USA) Self-healing Hydrogel Product Portfolios and Specifications

Table 111. Ocular Therapeutix (USA) Self-healing Hydrogel Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 112. Ocular Therapeutix (USA) Main Business

Table 113. Ocular Therapeutix (USA) Latest Developments

Table 114. Seikagaku (Japan) Basic Information, Self-healing Hydrogel Manufacturing Base, Sales Area and Its Competitors

Table 115. Seikagaku (Japan) Self-healing Hydrogel Product Portfolios and Specifications

Table 116. Seikagaku (Japan) Self-healing Hydrogel Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 117. Seikagaku (Japan) Main Business

Table 118. Seikagaku (Japan) Latest Developments

Table 119. Axelgaard (USA) Basic Information, Self-healing Hydrogel Manufacturing Base, Sales Area and Its Competitors

Table 120. Axelgaard (USA) Self-healing Hydrogel Product Portfolios and Specifications

Table 121. Axelgaard (USA) Self-healing Hydrogel Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 122. Axelgaard (USA) Main Business

Table 123. Axelgaard (USA) Latest Developments

Table 124. Katecho (USA) Basic Information, Self-healing Hydrogel Manufacturing Base, Sales Area and Its Competitors

Table 125. Katecho (USA) Self-healing Hydrogel Product Portfolios and Specifications

Table 126. Katecho (USA) Self-healing Hydrogel Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 127. Katecho (USA) Main Business

Table 128. Katecho (USA) Latest Developments

Table 129. Contipro (Czech) Basic Information, Self-healing Hydrogel Manufacturing Base, Sales Area and Its Competitors

Table 130. Contipro (Czech) Self-healing Hydrogel Product Portfolios and Specifications

Table 131. Contipro (Czech) Self-healing Hydrogel Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 132. Contipro (Czech) Main Business

Table 133. Contipro (Czech) Latest Developments

Table 134. SupraPolix (Netherlands) Basic Information, Self-healing Hydrogel Manufacturing Base, Sales Area and Its Competitors

Table 135. SupraPolix (Netherlands) Self-healing Hydrogel Product Portfolios and Specifications

Table 136. SupraPolix (Netherlands) Self-healing Hydrogel Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 137. SupraPolix (Netherlands) Main Business

Table 138. SupraPolix (Netherlands) Latest Developments

Table 139. Gelomics (Australia) Basic Information, Self-healing Hydrogel Manufacturing Base, Sales Area and Its Competitors

Table 140. Gelomics (Australia) Self-healing Hydrogel Product Portfolios and Specifications

Table 141. Gelomics (Australia) Self-healing Hydrogel Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 142. Gelomics (Australia) Main Business

Table 143. Gelomics (Australia) Latest Developments

Table 144. Haohai Biological Technology (China) Basic Information, Self-healing Hydrogel Manufacturing Base, Sales Area and Its Competitors

Table 145. Haohai Biological Technology (China) Self-healing Hydrogel Product Portfolios and Specifications

Table 146. Haohai Biological Technology (China) Self-healing Hydrogel Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 147. Haohai Biological Technology (China) Main Business

Table 148. Haohai Biological Technology (China) Latest Developments

Table 149. Quanding Medical (China) Basic Information, Self-healing Hydrogel Manufacturing Base, Sales Area and Its Competitors

Table 150. Quanding Medical (China) Self-healing Hydrogel Product Portfolios and Specifications

Table 151. Quanding Medical (China) Self-healing Hydrogel Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 152. Quanding Medical (China) Main Business

Table 153. Quanding Medical (China) Latest Developments

Table 154. Wuhan Huawei Technology (China) Basic Information, Self-healing Hydrogel Manufacturing Base, Sales Area and Its Competitors

Table 155. Wuhan Huawei Technology (China) Self-healing Hydrogel Product Portfolios and Specifications

Table 156. Wuhan Huawei Technology (China) Self-healing Hydrogel Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 157. Wuhan Huawei Technology (China) Main Business

Table 158. Wuhan Huawei Technology (China) Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Self-healing Hydrogel
- Figure 2. Self-healing Hydrogel Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Self-healing Hydrogel Sales Growth Rate 2021-2032 (Tons)
- Figure 7. Global Self-healing Hydrogel Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Self-healing Hydrogel Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Self-healing Hydrogel Sales Market Share by Country/Region (2025)
- Figure 10. Self-healing Hydrogel Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Natural Polymer-Based
- Figure 12. Product Picture of Synthetic Polymer-Based
- Figure 13. Global Self-healing Hydrogel Sales Market Share by Type in 2026
- Figure 14. Global Self-healing Hydrogel Revenue Market Share by Type (2021-2026)
- Figure 15. Product Picture of 1-10 kPa
- Figure 16. Product Picture of 10-300 kPa
- Figure 17. Global Self-healing Hydrogel Sales Market Share by Elastic Modulus in 2026
- Figure 18. Global Self-healing Hydrogel Revenue Market Share by Elastic Modulus (2021-2026)
- Figure 19. Self-healing Hydrogel Consumed in Healthcare
- Figure 20. Global Self-healing Hydrogel Market: Healthcare (2021-2026) & (Tons)
- Figure 21. Self-healing Hydrogel Consumed in Electronic
- Figure 22. Global Self-healing Hydrogel Market: Electronic (2021-2026) & (Tons)
- Figure 23. Self-healing Hydrogel Consumed in Soft Robotic
- Figure 24. Global Self-healing Hydrogel Market: Soft Robotic (2021-2026) & (Tons)
- Figure 25. Self-healing Hydrogel Consumed in Others
- Figure 26. Global Self-healing Hydrogel Market: Others (2021-2026) & (Tons)
- Figure 27. Global Self-healing Hydrogel Sale Market Share by Application (2025)
- Figure 28. Global Self-healing Hydrogel Revenue Market Share by Application in 2025
- Figure 29. Self-healing Hydrogel Sales by Company in 2025 (Tons)
- Figure 30. Global Self-healing Hydrogel Sales Market Share by Company in 2025
- Figure 31. Self-healing Hydrogel Revenue by Company in 2025 (\$ millions)
- Figure 32. Global Self-healing Hydrogel Revenue Market Share by Company in 2025

Figure 33. Global Self-healing Hydrogel Sales Market Share by Geographic Region (2021-2026)

Figure 34. Global Self-healing Hydrogel Revenue Market Share by Geographic Region in 2025

Figure 35. Americas Self-healing Hydrogel Sales 2021-2026 (Tons)

Figure 36. Americas Self-healing Hydrogel Revenue 2021-2026 (\$ millions)

Figure 37. APAC Self-healing Hydrogel Sales 2021-2026 (Tons)

Figure 38. APAC Self-healing Hydrogel Revenue 2021-2026 (\$ millions)

Figure 39. Europe Self-healing Hydrogel Sales 2021-2026 (Tons)

Figure 40. Europe Self-healing Hydrogel Revenue 2021-2026 (\$ millions)

Figure 41. Middle East & Africa Self-healing Hydrogel Sales 2021-2026 (Tons)

Figure 42. Middle East & Africa Self-healing Hydrogel Revenue 2021-2026 (\$ millions)

Figure 43. Americas Self-healing Hydrogel Sales Market Share by Country in 2025

Figure 44. Americas Self-healing Hydrogel Revenue Market Share by Country (2021-2026)

Figure 45. Americas Self-healing Hydrogel Sales Market Share by Type (2021-2026)

Figure 46. Americas Self-healing Hydrogel Sales Market Share by Application (2021-2026)

Figure 47. United States Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 48. Canada Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 49. Mexico Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 50. Brazil Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 51. APAC Self-healing Hydrogel Sales Market Share by Region in 2025

Figure 52. APAC Self-healing Hydrogel Revenue Market Share by Region (2021-2026)

Figure 53. APAC Self-healing Hydrogel Sales Market Share by Type (2021-2026)

Figure 54. APAC Self-healing Hydrogel Sales Market Share by Application (2021-2026)

Figure 55. China Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 56. Japan Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 57. South Korea Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 58. Southeast Asia Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 59. India Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 60. Australia Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 61. China Taiwan Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 62. Europe Self-healing Hydrogel Sales Market Share by Country in 2025

Figure 63. Europe Self-healing Hydrogel Revenue Market Share by Country (2021-2026)

Figure 64. Europe Self-healing Hydrogel Sales Market Share by Type (2021-2026)

Figure 65. Europe Self-healing Hydrogel Sales Market Share by Application

(2021-2026)

Figure 66. Germany Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 67. France Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 68. UK Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 69. Italy Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 70. Russia Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 71. Middle East & Africa Self-healing Hydrogel Sales Market Share by Country
(2021-2026)

Figure 72. Middle East & Africa Self-healing Hydrogel Sales Market Share by Type
(2021-2026)

Figure 73. Middle East & Africa Self-healing Hydrogel Sales Market Share by
Application (2021-2026)

Figure 74. Egypt Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 75. South Africa Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 76. Israel Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 77. Turkey Self-healing Hydrogel Revenue Growth 2021-2026 (\$ millions)

Figure 78. GCC Countries Self-healing Hydrogel Revenue Growth 2021-2026 (\$
millions)

Figure 79. Manufacturing Cost Structure Analysis of Self-healing Hydrogel in 2026

Figure 80. Manufacturing Process Analysis of Self-healing Hydrogel

Figure 81. Industry Chain Structure of Self-healing Hydrogel

Figure 82. Channels of Distribution

Figure 83. Global Self-healing Hydrogel Sales Market Forecast by Region (2027-2032)

Figure 84. Global Self-healing Hydrogel Revenue Market Share Forecast by Region
(2027-2032)

Figure 85. Global Self-healing Hydrogel Sales Market Share Forecast by Type
(2027-2032)

Figure 86. Global Self-healing Hydrogel Revenue Market Share Forecast by Type
(2027-2032)

Figure 87. Global Self-healing Hydrogel Sales Market Share Forecast by Application
(2027-2032)

Figure 88. Global Self-healing Hydrogel Revenue Market Share Forecast by Application
(2027-2032)

I would like to order

Product name: Global Self-healing Hydrogel Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/G6E6F034A025EN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G6E6F034A025EN.html>