

# **Hydrogel Market by Raw Material Type (Synthetic, Natural, and Hybrid Hydrogels), Composition (Polyacrylate, Polyacrylamide, Silicone-Modified Hydrogels, Agar-Based, and Others), Form (Amorphous Hydrogels and Semi-Crystalline Hydrogels), Product (Semi-Crystalline Buttons, Amorphous Gels, Impregnated Gauze, Films & Matrices, and Hydrogel Sheets), and End-User (Lenses, Hygiene Products, Wound Care, Drug Delivery, Tissue Engineering, and Others): Global Opportunity Analysis and Industry Forecast 2020–2027**

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## **Abstracts**

The global hydrogel dressing market was valued at \$320.85 million in 2019, and is projected to reach \$695.05 million by 2027, registering a CAGR of 10.1% from 2020 to 2027.

Hydrogel is a water-insoluble polymer chain network, which is an essential component in wound care as its high moisture content helps prevent the infections by obstructing microorganisms. It keeps the wound surface hydrated, which helps in pain management and provides an ideal environment for wound cleansing of autolytic debridement. Hydrogel dressing is used for dry, necrotic wounds, sloughy, granulating, and epithelializing wound care. They are also used for the surgical wounds, skin tears, burns, pressure ulcers, and diabetes-related wounds. Moreover, they offer various

advantages such as aid to maintain a hydrated environment for appropriate flow of oxygen, keep temperature consistent, protect the wound site from exogenous infection, and ease pain associated with dressing changes.

Increase in incidence of ulcer and diabetic patients with clotting disorders and rise in number of accidental emergencies, especially burn injuries, led to the substantial requirement of hydrogel dressings for wound care. In addition, increase in adoption of hydrogel dressings as a substitute for traditional gauze for wound care applications is one of the key drivers of the market. Moreover, technological innovation in wound closure techniques, namely, injectable stimuli-responsive amorphous hydrogels for stopping bleeding in trauma cases and military personnel, further supplement the market growth. However, high costs associated with the manufacturing of hydrogel dressings and long lab to market pipeline period for healthcare products is expected to restrain the market growth.

The hydrogel dressing market is segmented on the basis of product type, end user, and region. By product type, the market is categorized into amorphous hydrogel, impregnated hydrogel, and sheet hydrogel. Depending on end user, it is classified into hospitals, physician's office, and others. On the basis of region, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The major companies profiled in this report include 3M, B Braun Melsungen AG, Coloplast A/S, ConvaTec Group Plc, Svenska Cellulosa AB, Integra Lifesciences (Derma sciences), Smith & Nephew Plc., Johnson & Johnson, Procyon Corp., and Axelgaard Manufacturing Co. Ltd.

## KEY BENEFITS FOR STAKEHOLDERS

The study provides an in-depth analysis of the global hydrogel dressing market along with the current trends and future estimations to elucidate the imminent investment pockets.

A comprehensive analysis of the factors that drive and restrict the market growth is provided in the report.

A quantitative analysis of the industry from 2019 to 2027 is provided to enable the stakeholders capitalize on the prevailing market opportunities.

Extensive analysis of the key segments of the industry helps understand the

application and products of hydrogel dressing used across the globe.

The key market players and their strategies have been analyzed to understand the competitive outlook of the market.

## KEY MARKET SEGMENTS

### By Product

Amorphous Hydrogel

Impregnated Hydrogel

Sheet Hydrogel

### By End User

Hospital

Physician's Office

Others

### By Region

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Spain

Italy

Rest of Europe

Asia-Pacific

Japan

China

India

Australia

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

## LIST OF KEY PLAYERS PROFILED IN THE REPORT

3M Company

B Braun Melsungen AG

Coloplast A/S

ConvaTec Group Plc

Svenska Cellulosa AB

Integra Lifesciences (Derma sciences)

Smith & Nephew Plc.

Johnson & Johnson

Procyon Corp.

Axelgaard Manufacturing Co. Ltd.

LIST OF OTHER PLAYERS IN THE VALUE CHAIN (These players are not profiled in the report. The same will be included on request.)

Gentell Inc.

Cardinal Health

## Contents

### CHAPTER 1: INTRODUCTION

- 1.1. Report description
- 1.2. Key benefits for stakeholders
- 1.3. Key market segments
- 1.4. Research methodology
  - 1.4.1. Secondary research
  - 1.4.2. Primary research
- 1.5. Analyst tools and models

### CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. Key findings of the study
- 2.2. CXO perspective

### CHAPTER 3: MARKET OVERVIEW

- 3.1. Market definition and scope
- 3.2. Key findings
  - 3.2.1. Top investment pockets
- 3.3. Porter's five forces analysis
- 3.4. Market dynamics
  - 3.4.1. Drivers
    - 3.4.1.1. Wide Range of Application and Advantage over Conventional Products
    - 3.4.1.2. Increasing Demand from Personal Care and Hygiene Sector
    - 3.4.1.3. Asia-Pacific to Dominate the Market
  - 3.4.2. Restraint
    - 3.4.2.1. Potential Environmental Hazard
  - 3.4.3. Opportunity
    - 3.4.3.1. Increase in Research & Development Activities and High opportunities in developing regions
- 3.5. Parent peer market overview
- 3.6. Patent analysis, 2015–2019
  - 3.6.1. Patent analysis by country
  - 3.6.2. Patent analysis by applicant
  - 3.6.3. Patent analysis by inventors
- 3.7. Impact of government rules and regulation

### 3.8. Impact of corona (COVID 19) outbreak on the global hydrogel market

## **CHAPTER 4: HYDROGEL MARKET, BY RAW MATERIAL TYPE**

### 4.1. Overview

#### 4.1.1. Market size and forecast

### 4.2. Synthetic

#### 4.2.1. Key market trends, growth factors, and opportunities

#### 4.2.2. Market size and forecast, by region

#### 4.2.3. Market share analysis, by country

### 4.3. Natural

#### 4.3.1. Key market trends, growth factors, and opportunities

#### 4.3.2. Market size and forecast, by region

#### 4.3.3. Market share analysis, by country

### 4.4. Hybrid

#### 4.4.1. Key market trends, growth factors, and opportunities

#### 4.4.2. Market size and forecast, by region

#### 4.4.3. Market share analysis, by country

## **CHAPTER 5: HYDROGEL MARKET, BY COMPOSITION**

### 5.1. Overview

#### 5.1.1. Market size and forecast

### 5.2 Polyacrylate

#### 5.2.1. Key market trends, growth factors, and opportunities

#### 5.2.2. Market size and forecast, by region

#### 5.2.3. Market share analysis, by country

### 5.3. Polyacrylamide

#### 5.3.1. Key market trends, growth factors, and opportunities

#### 5.3.2. Market size and forecast, by region

#### 5.3.3. Market share analysis, by country

### 5.4. Silicone-modified hydrogels

#### 5.4.1. Key market trends, growth factors, and opportunities

#### 5.4.2. Market size and forecast, by region

#### 5.4.3. Market share analysis, by country

### 5.5. Agar

#### 5.5.1. Key market trends, growth factors, and opportunities

#### 5.5.2. Market size and forecast, by region

#### 5.5.3. Market share analysis, by country

## 5.6. Others

- 5.6.1. Key market trends, growth factors, and opportunities
- 5.6.2. Market size and forecast, by region
- 5.6.3. Market share analysis, by country

## **CHAPTER 6: HYDROGEL MARKET, BY FORM**

### 6.1. Overview

- 6.1.1. Market size and forecast

### 6.2. Amorphous

- 6.2.1. Key market trends, growth factors, and opportunities
- 6.2.2. Market size and forecast, by region
- 6.2.3. Market share analysis, by country

### 6.3. Semicrystalline

- 6.3.1. Key market trends, growth factors, and opportunities
- 6.3.2. Market size and forecast, by region
- 6.3.3. Market share analysis, by country

## **CHAPTER 7: HYDROGEL MARKET, BY PRODUCT**

### 7.1. Overview

- 7.1.1. Market size and forecast

### 7.2. Semi crystalline buttons

- 7.2.1. Key market trends, growth factors, and opportunities
- 7.2.2. Market size and forecast, by region
- 7.2.3. Market share analysis, by country

### 7.3. Amorphous Gels

- 7.3.1. Key market trends, growth factors, and opportunities
- 7.3.2. Market size and forecast, by region
- 7.3.3. Market share analysis, by country

### 7.4. Impregnated Gauze

- 7.4.1. Key market trends, growth factors, and opportunities
- 7.4.2. Market size and forecast, by region
- 7.4.3. Market share analysis, by country

### 7.5. Films & Matrices

- 7.5.1. Key market trends, growth factors, and opportunities
- 7.5.2. Market size and forecast, by region
- 7.5.3. Market share analysis, by country

### 7.6. Hydrogel Sheets



- 7.6.1. Key market trends, growth factors, and opportunities
- 7.6.2. Market size and forecast, by region
- 7.6.3. Market share analysis, by country

## **CHAPTER 8: HYDROGEL MARKET, BY END-USER**

### 8.1. Overview

- 8.1.1. Market size and forecast

### 8.2. Contact Lenses

- 8.2.1. Key market trends, growth factors, and opportunities
- 8.2.2. Market size and forecast, by region
- 8.2.3. Market share analysis, by country

### 8.3. Hygiene Products

- 8.3.1. Key market trends, growth factors, and opportunities
- 8.3.2. Market size and forecast, by region
- 8.3.3. Market share analysis, by country

### 8.4. Wound Care

- 8.4.1. Key market trends, growth factors, and opportunities
- 8.4.2. Market size and forecast, by region
- 8.4.3. Market share analysis, by country

### 8.5. Drug Delivery

- 8.5.1. Key market trends, growth factors, and opportunities
- 8.5.2. Market size and forecast, by region
- 8.5.3. Market share analysis, by country

### 8.6. Tissue Engineering

- 8.6.1. Key market trends, growth factors, and opportunities
- 8.6.2. Market size and forecast, by region
- 8.6.3. Market share analysis, by country

### 8.7. Others

- 8.7.1. Key market trends, growth factors, and opportunities
- 8.7.2. Market size and forecast, by region
- 8.7.3. Market share analysis, by country

## **CHAPTER 9: HYDROGEL MARKET, BY REGION**

### 9.1. Overview

- 9.1.1. Market size and forecast, by region

### 9.2. North America

- 9.2.1. Key market trends, growth factors, and opportunities

- 9.2.2. Market size and forecast, by raw material type
- 9.2.3. Market size and forecast, by form
- 9.2.4. Market size and forecast, by composition
- 9.2.5. Market size and forecast, by product
- 9.2.6. Market size and forecast, by end-user
- 9.2.7. Market size and forecast by country
- 9.2.8. U.S.
  - 9.2.8.1. Market size and forecast, by raw material type
  - 9.2.8.2. Market size and forecast, by form
  - 9.2.8.3. Market size and forecast, by composition
  - 9.2.8.4. Market size and forecast, by product
  - 9.2.8.5. Market size and forecast, by end-user
- 9.2.9. Canada
  - 9.2.9.1. Market size and forecast, by raw material type
  - 9.2.9.2. Market size and forecast, by form
  - 9.2.9.3. Market size and forecast, by composition
  - 9.2.9.4. Market size and forecast, by product
  - 9.2.9.5. Market size and forecast, by end-user
- 9.2.10. Mexico
  - 9.2.10.1. Market size and forecast, by raw material type
  - 9.2.10.2. Market size and forecast, by form
  - 9.2.10.3. Market size and forecast, by composition
  - 9.2.10.4. Market size and forecast, by product
  - 9.2.10.5. Market size and forecast, by end-user
- 9.3. Europe
  - 9.3.1. Key market trends, growth factors, and opportunities
  - 9.3.2. Market size and forecast, by raw material type
  - 9.3.3. Market size and forecast, by form
  - 9.3.4. Market size and forecast, by composition
  - 9.3.5. Market size and forecast, by product
  - 9.3.6. Market size and forecast, by end-user
  - 9.3.7. Market size and forecast by country
  - 9.3.8. Germany
    - 9.3.8.1. Market size and forecast, by raw material type
    - 9.3.8.2. Market size and forecast, by form
    - 9.3.8.3. Market size and forecast, by composition
    - 9.3.8.4. Market size and forecast, by product
    - 9.3.8.5. Market size and forecast, by end-user
  - 9.3.9. UK

- 9.3.9.1. Market size and forecast, by raw material type
- 9.3.9.2. Market size and forecast, by form
- 9.3.9.3. Market size and forecast, by composition
- 9.3.9.4. Market size and forecast, by product
- 9.3.9.5. Market size and forecast, by end-user
- 9.3.10. France
  - 9.3.10.1. Market size and forecast, by raw material type
  - 9.3.10.2. Market size and forecast, by form
  - 9.3.10.3. Market size and forecast, by composition
  - 9.3.10.4. Market size and forecast, by product
  - 9.3.10.5. Market size and forecast, by end-user
- 9.3.11. Italy
  - 9.3.11.1. Market size and forecast, by raw material type
  - 9.3.11.2. Market size and forecast, by form
  - 9.3.11.3. Market size and forecast, by composition
  - 9.3.11.4. Market size and forecast, by product
  - 9.3.11.5. Market size and forecast, by end-user
- 9.3.12. Spain
  - 9.3.12.1. Market size and forecast, by raw material type
  - 9.3.12.2. Market size and forecast, by form
  - 9.3.12.3. Market size and forecast, by composition
  - 9.3.12.4. Market size and forecast, by product
  - 9.3.12.5. Market size and forecast, by end-user
- 9.3.13. Rest of Europe
  - 9.3.13.1. Market size and forecast, by raw material type
  - 9.3.13.2. Market size and forecast, by form
  - 9.3.13.3. Market size and forecast, by composition
  - 9.3.13.4. Market size and forecast, by product
  - 9.3.13.5. Market size and forecast, by end-user
- 9.4. Asia-Pacific
  - 9.4.1. Key market trends, growth factors, and opportunities
  - 9.4.2. Market size and forecast, by raw material type
  - 9.4.3. Market size and forecast, by form
  - 9.4.4. Market size and forecast, by composition
  - 9.4.5. Market size and forecast, by product
  - 9.4.6. Market size and forecast, by end-user
  - 9.4.7. Market size and forecast by country
  - 9.4.8. China
    - 9.4.8.1. Market size and forecast, by raw material type

- 9.4.8.2. Market size and forecast, by form
- 9.4.8.3. Market size and forecast, by composition
- 9.4.8.4. Market size and forecast, by product
- 9.4.8.5. Market size and forecast, by end-user
- 9.4.9. Japan
  - 9.4.9.1. Market size and forecast, by raw material type
  - 9.4.9.2. Market size and forecast, by form
  - 9.4.9.3. Market size and forecast, by composition
  - 9.4.9.4. Market size and forecast, by product
  - 9.4.9.5. Market size and forecast, by end-user
- 9.4.10. India
  - 9.4.10.1. Market size and forecast, by raw material type
  - 9.4.10.2. Market size and forecast, by form
  - 9.4.10.3. Market size and forecast, by composition
  - 9.4.10.4. Market size and forecast, by product
  - 9.4.10.5. Market size and forecast, by end-user
- 9.4.11. South Korea
  - 9.4.11.1. Market size and forecast, by raw material type
  - 9.4.11.2. Market size and forecast, by form
  - 9.4.11.3. Market size and forecast, by composition
  - 9.4.11.4. Market size and forecast, by product
  - 9.4.11.5. Market size and forecast, by end-user
- 9.4.12. Australia
  - 9.4.12.1. Market size and forecast, by raw material type
  - 9.4.12.2. Market size and forecast, by form
  - 9.4.12.3. Market size and forecast, by composition
  - 9.4.12.4. Market size and forecast, by product
  - 9.4.12.5. Market size and forecast, by end-user
- 9.4.13. Rest of Asia-Pacific
  - 9.4.13.1. Market size and forecast, by raw material type
  - 9.4.13.2. Market size and forecast, by form
  - 9.4.13.3. Market size and forecast, by composition
  - 9.4.13.4. Market size and forecast, by product
  - 9.4.13.5. Market size and forecast, by end-user
- 9.5. LAMEA
  - 9.5.1. Key market trends, growth factors, and opportunities
  - 9.5.2. Market size and forecast, by raw material type
  - 9.5.3. Market size and forecast, by form
  - 9.5.4. Market size and forecast, by composition

- 9.5.5. Market size and forecast, by product
- 9.5.6. Market size and forecast, by end-user
- 9.5.7. Market size and forecast by country
- 9.5.8. Brazil
  - 9.5.8.1. Market size and forecast, by raw material type
  - 9.5.8.2. Market size and forecast, by form
  - 9.5.8.3. Market size and forecast, by composition
  - 9.5.8.4. Market size and forecast, by product
  - 9.5.8.5. Market size and forecast, by end-user
- 9.5.9. Saudi Arabia
  - 9.5.9.1. Market size and forecast, by raw material type
  - 9.5.9.2. Market size and forecast, by form
  - 9.5.9.3. Market size and forecast, by composition
  - 9.5.9.4. Market size and forecast, by product
  - 9.5.9.5. Market size and forecast, by end-user
- 9.5.10. South Africa
  - 9.5.10.1. Market size and forecast, by raw material type
  - 9.5.10.2. Market size and forecast, by form
  - 9.5.10.3. Market size and forecast, by composition
  - 9.5.10.4. Market size and forecast, by product
  - 9.5.10.5. Market size and forecast, by end-user
- 9.5.11. Rest of LAMEA
  - 9.5.11.1. Market size and forecast, by raw material type
  - 9.5.11.2. Market size and forecast, by form
  - 9.5.11.3. Market size and forecast, by composition
  - 9.5.11.4. Market size and forecast, by product
  - 9.5.11.5. Market size and forecast, by end-user

## **CHAPTER 10: COMPETITIVE LANDSCAPE**

- 10.1. INTRODUCTION
  - 10.1.1. MARKET PLAYER POSITIONING, 2018
- 10.2. TOP WINNING STRATEGIES
  - 10.2.1. Top winning strategies, by year
  - 10.2.2. Top winning strategies, by development
  - 10.2.3. Top winning strategies, by company
- 10.3. PRODUCT MAPPING OF TOP 10 PLAYER
- 10.4. COMPETITIVE DASHBOARD
- 10.5. COMPETITIVE HEATMAP

## 10.6. KEY DEVELOPMENTS

- 10.6.1. New collaboration
- 10.6.2. Expansions
- 10.6.3. Mergers and acquisition

## **CHAPTER 11: COMPANY PROFILES:**

### 11.1. Ashland Global Holdings Inc.

- 11.1.1. Company overview
- 11.1.2. Company snapshot
- 11.1.3. Operating business segments
- 11.1.4. Product portfolio
- 11.1.5. Business performance

### 11.2. B. Braun Holding GmbH & Co. KG

- 11.2.1. Company overview
- 11.2.2. Company snapshot
- 11.2.3. Product portfolio
- 11.2.4. Business performance

### 11.3. Cardinal Health

- 11.3.1. Company overview
- 11.3.2. Company snapshot
- 11.3.3. Operating business segments
- 11.3.4. Product portfolio
- 11.3.5. Business performance

### 11.4. Essity

- 11.4.1. Company overview
- 11.4.2. Company snapshot
- 11.4.3. Operating business segments
- 11.4.4. Product portfolio
- 11.4.5. Business performance

### 11.5. Medline Industries

- 11.5.1. Company overview
- 11.5.2. Company snapshot
- 11.5.3. Product portfolio

### 11.6. Paul Hartmann

- 11.6.1. Company overview
- 11.6.2. Company snapshot
- 11.6.3. Operating business segments
- 11.6.4. Product portfolio

- 11.6.5. Business performance
- 11.6.6. Key strategic moves and developments
- 11.7. Procyon Corporation
  - 11.7.1. Company overview
  - 11.7.2. Company snapshot
  - 11.7.3. Product portfolio
  - 11.7.4. Business performance
- 11.8. Smith & Nephew
  - 11.8.1. Company overview
  - 11.8.2. Company snapshot
  - 11.8.3. Operating business segments
  - 11.8.4. Product portfolio
  - 11.8.5. Business performance
  - 11.8.6. Key strategic moves and developments
- 11.9. The Cooper Companies, Inc.
  - 11.9.1. Company overview
  - 11.9.2. Company snapshot
  - 11.9.3. Operating business segments
  - 11.9.4. Product portfolio
  - 11.9.5. Business performance
  - 11.9.6. Key strategic moves and developments
- 11.10. 3M Company
  - 11.10.1. Company overview
  - 11.10.2. Company snapshot
  - 11.10.3. Operating business segments
  - 11.10.4. Product portfolio
  - 11.10.5. Business performance
  - 11.10.6. Key strategic moves and developments



## List Of Tables

### LIST OF TABLES

- TABLE 01. GLOBAL HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027(\$MILLION)
- TABLE 02. GLOBAL HYDROGEL MARKET FOR SYNTHETIC, BY REGION, 2019–2027 (\$MILLION)
- TABLE 03. GLOBAL HYDROGEL MARKET FOR NATURAL, BY REGION, 2019–2027 (\$MILLION)
- TABLE 04. GLOBAL HYDROGEL MARKET FOR HYBRID, BY REGION, 2019–2027 (\$MILLION)
- TABLE 05. GLOBAL HYDROGEL MARKET, BY COMPOSITION, 2019–2027(\$MILLION)
- TABLE 06. GLOBAL HYDROGEL MARKET FOR POLYACRYLATE, BY REGION, 2019–2027 (\$MILLION)
- TABLE 07. GLOBAL HYDROGEL MARKET FOR POLYACRYLAMIDE, BY REGION, 2019–2027 (\$MILLION)
- TABLE 08. GLOBAL HYDROGEL MARKET FOR SILICONE-MODIFIED HYDROGELS, BY REGION, 2019–2027 (\$MILLION)
- TABLE 09. GLOBAL HYDROGEL MARKET FOR AGAR, BY REGION, 2019–2027 (\$MILLION)
- TABLE 10. GLOBAL HYDROGEL MARKET FOR OTHERS, BY REGION, 2019–2027 (\$MILLION)
- TABLE 11. GLOBAL HYDROGEL MARKET, BY FORM, 2019–2027(\$MILLION)
- TABLE 12. GLOBAL HYDROGEL MARKET FOR AMORPHOUS, BY REGION, 2019–2027 (\$MILLION)
- TABLE 13. GLOBAL HYDROGEL MARKET FOR SEMICRYSTALLINE, BY REGION, 2019–2027 (\$MILLION)
- TABLE 14. GLOBAL HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)
- TABLE 15. GLOBAL HYDROGEL MARKET FOR SEMICRYSTALLINE BUTTONS, BY REGION, 2019–2027 (\$MILLION)
- TABLE 16. GLOBAL HYDROGEL MARKET FOR AMORPHOUS GELS, BY REGION, 2019–2027 (\$MILLION)
- TABLE 17. GLOBAL HYDROGEL MARKET FOR IMPREGNATED GAUZE, BY REGION, 2019–2027 (\$MILLION)
- TABLE 18. GLOBAL HYDROGEL MARKET FOR FILMS & MATRICES, BY REGION, 2019–2027 (\$MILLION)
- TABLE 19. GLOBAL HYDROGEL MARKET FOR HYDROGEL SHEETS, BY REGION,



2019–2027 (\$MILLION)

TABLE 20. GLOBAL HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 21. GLOBAL HYDROGEL MARKET FOR CONTACT LENSES, BY REGION, 2019–2027 (\$MILLION)

TABLE 22. GLOBAL HYDROGEL MARKET FOR HYGIENE PRODUCTS, BY REGION, 2019–2027 (\$MILLION)

TABLE 23. GLOBAL HYDROGEL MARKET FOR WOUND CARE, BY REGION, 2019–2027 (\$MILLION)

TABLE 24. GLOBAL HYDROGEL MARKET FOR DRUG DELIVERY, BY REGION, 2019–2027 (\$MILLION)

TABLE 25. GLOBAL HYDROGEL MARKET FOR TISSUE ENGINEERING, BY REGION, 2019–2027 (\$MILLION)

TABLE 26. GLOBAL HYDROGEL MARKET FOR OTHERS, BY REGION, 2019–2027 (\$MILLION)

TABLE 27. GLOBAL HYDROGEL MARKET, BY REGION 2019–2027 (\$MILLION)

TABLE 28. NORTH AMERICA HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)

TABLE 29. NORTH AMERICA HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 30. NORTH AMERICA HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)

TABLE 31. NORTH AMERICA HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)

TABLE 32. NORTH AMERICA HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 33. NORTH AMERICA HYDROGEL MARKET, BY COUNTRY 2019–2027 (\$MILLION)

TABLE 34. U.S. HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)

TABLE 35. U.S. HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 36. U.S. HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)

TABLE 37. U.S. HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)

TABLE 38. U.S. HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 39. CANADA HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)

TABLE 40. CANADA HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 41. CANADA HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)

TABLE 42. CANADA HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)

TABLE 43. CANADA HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 44. MEXICO HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)

TABLE 45. MEXICO HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 46. MEXICO HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)

TABLE 47. MEXICO HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)

TABLE 48. MEXICO HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 49. EUROPE HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)

TABLE 50. EUROPE HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 51. EUROPE HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)

TABLE 52. EUROPE HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)

TABLE 53. EUROPE HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 54. EUROPE HYDROGEL MARKET, BY COUNTRY 2019–2027 (\$MILLION)

TABLE 55. GERMANY HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)

TABLE 56. GERMANY HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 57. GERMANY HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)

TABLE 58. GERMANY HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)

TABLE 59. GERMANY HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 60. UK HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)

TABLE 61. UK HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 62. UK HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)

TABLE 63. UK HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)

TABLE 64. UK HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 65. FRANCE HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)

TABLE 66. FRANCE HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 67. FRANCE HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)

TABLE 68. FRANCE HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)

TABLE 69. FRANCE HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 70. FRANCE HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)

TABLE 71. FRANCE HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 72. FRANCE HYDROGEL MARKET, BY COMPOSITION, 2019–2027  
(\$MILLION)

TABLE 73. FRANCE HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)

TABLE 74. FRANCE HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 75. SPAIN HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027  
(\$MILLION)

TABLE 76. SPAIN HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 77. SPAIN HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)

TABLE 78. SPAIN HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)

TABLE 79. SPAIN HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 80. REST OF EUROPE HYDROGEL MARKET, BY RAW MATERIAL TYPE,  
2019–2027 (\$MILLION)

TABLE 81. REST OF EUROPE HYDROGEL MARKET, BY FORM, 2019–2027  
(\$MILLION)

TABLE 82. REST OF EUROPE HYDROGEL MARKET, BY COMPOSITION,  
2019–2027 (\$MILLION)

TABLE 83. REST OF EUROPE HYDROGEL MARKET, BY PRODUCT, 2019–2027  
(\$MILLION)

TABLE 84. REST OF EUROPE HYDROGEL MARKET, BY END-USER, 2019–2027  
(\$MILLION)

TABLE 85. ASIA-PACIFIC HYDROGEL MARKET, BY RAW MATERIAL TYPE,  
2019–2027 (\$MILLION)

TABLE 86. ASIA-PACIFIC HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 87. ASIA-PACIFIC HYDROGEL MARKET, BY COMPOSITION, 2019–2027  
(\$MILLION)

TABLE 88. ASIA-PACIFIC HYDROGEL MARKET, BY PRODUCT, 2019–2027  
(\$MILLION)

TABLE 89. ASIA-PACIFIC HYDROGEL MARKET, BY END-USER, 2019–2027  
(\$MILLION)

TABLE 90. ASIA-PACIFIC HYDROGEL MARKET, BY COUNTRY 2019–2027  
(\$MILLION)

TABLE 91. CHINA HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027  
(\$MILLION)

TABLE 92. CHINA HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 93. CHINA HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)

TABLE 94. CHINA HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)

TABLE 95. CHINA HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 96. JAPAN HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027  
(\$MILLION)

- TABLE 97. JAPAN HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)
- TABLE 98. JAPAN HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)
- TABLE 99. JAPAN HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)
- TABLE 100. JAPAN HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)
- TABLE 101. INDIA HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)
- TABLE 102. INDIA HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)
- TABLE 103. INDIA HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)
- TABLE 104. INDIA HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)
- TABLE 105. INDIA HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)
- TABLE 106. SOUTH KOREA HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)
- TABLE 107. SOUTH KOREA HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)
- TABLE 108. SOUTH KOREA HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)
- TABLE 109. SOUTH KOREA HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)
- TABLE 110. SOUTH KOREA HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)
- TABLE 111. AUSTRALIA HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)
- TABLE 112. AUSTRALIA HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)
- TABLE 113. AUSTRALIA HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)
- TABLE 114. AUSTRALIA HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)
- TABLE 115. AUSTRALIA HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)
- TABLE 116. REST OF ASIA-PACIFIC HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)
- TABLE 117. REST OF ASIA-PACIFIC HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)
- TABLE 118. REST OF ASIA-PACIFIC HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)
- TABLE 119. REST OF ASIA-PACIFIC HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)
- TABLE 120. REST OF ASIA-PACIFIC HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 121. LAMEA HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)

TABLE 122. LAMEA HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 123. LAMEA HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)

TABLE 124. LAMEA HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)

TABLE 125. LAMEA HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 126. LAMEA HYDROGEL MARKET, BY COUNTRY 2019–2027 (\$MILLION)

TABLE 127. BRAZIL HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)

TABLE 128. BRAZIL HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 129. BRAZIL HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)

TABLE 130. BRAZIL HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)

TABLE 131. BRAZIL HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 132. SAUDI ARABIA HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)

TABLE 133. SAUDI ARABIA HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 134. SAUDI ARABIA HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)

TABLE 135. SAUDI ARABIA HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)

TABLE 136. SAUDI ARABIA HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 137. SOUTH AFRICA HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)

TABLE 138. SOUTH AFRICA HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 139. SOUTH AFRICA HYDROGEL MARKET, BY COMPOSITION, 2019–2027 (\$MILLION)

TABLE 140. SOUTH AFRICA HYDROGEL MARKET, BY PRODUCT, 2019–2027 (\$MILLION)

TABLE 141. SOUTH AFRICA HYDROGEL MARKET, BY END-USER, 2019–2027 (\$MILLION)

TABLE 142. REST OF LAMEA HYDROGEL MARKET, BY RAW MATERIAL TYPE, 2019–2027 (\$MILLION)

TABLE 143. REST OF LAMEA HYDROGEL MARKET, BY FORM, 2019–2027 (\$MILLION)

TABLE 144. REST OF LAMEA HYDROGEL MARKET, BY COMPOSITION, 2019–2027  
(\$MILLION)

TABLE 145. REST OF LAMEA HYDROGEL MARKET, BY PRODUCT, 2019–2027  
(\$MILLION)

TABLE 146. REST OF LAMEA HYDROGEL MARKET, BY END-USER, 2019–2027  
(\$MILLION)

TABLE 147. KEY COLLABORATION (2016-2019)

TABLE 148. KEY EXPANSIONS (2016-2019)

TABLE 149. KEY MERGERS AND ACQUISITION (2016-2019)

TABLE 150. ASHLAND: COMPANY SNAPSHOT

TABLE 151. ASHLAND: OPERATING SEGMENTS

TABLE 152. ASHLAND: PRODUCT PORTFOLIO

TABLE 153. OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 154. B. BRAUN: COMPANY SNAPSHOT

TABLE 155. B. BRAUN: PRODUCT PORTFOLIO

TABLE 156. OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 157. CARDINAL HEALTH: COMPANY SNAPSHOT

TABLE 158. CARDINAL HEALTH: OPERATING SEGMENTS

TABLE 159. CARDINAL HEALTH: PRODUCT PORTFOLIO

TABLE 160. OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 161. ESSITY: COMPANY SNAPSHOT

TABLE 162. ESSITY: OPERATING SEGMENTS

TABLE 163. ESSITY: PRODUCT PORTFOLIO

TABLE 164. OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 165. MEDLINE: COMPANY SNAPSHOT

TABLE 166. MEDLINE: PRODUCT PORTFOLIO

TABLE 167. HARTMANN: COMPANY SNAPSHOT

TABLE 168. HARTMANN: OPERATING SEGMENTS

TABLE 169. HARTMANN: PRODUCT PORTFOLIO

TABLE 170. OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 171. HARTMANN: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 172. PROCYON: COMPANY SNAPSHOT

TABLE 173. PROCYON: PRODUCT PORTFOLIO

TABLE 174. OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 175. SMITH & NEPHEW: COMPANY SNAPSHOT

TABLE 176. SMITH & NEPHEW: OPERATING SEGMENTS

TABLE 177. SMITH & NEPHEW: PRODUCT PORTFOLIO

TABLE 178. OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 179. SMITH & NEPHEW: KEY STRATEGIC MOVES AND DEVELOPMENTS



TABLE 180. COOPER COMPANIES: COMPANY SNAPSHOT

TABLE 181. COOPER COMPANIES: OPERATING SEGMENTS

TABLE 182. COOPER COMPANIES: PRODUCT PORTFOLIO

TABLE 183. OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 184. COOPER COMPANIES: KEY STRATEGIC MOVES AND DEVELOPMENTS

TABLE 185. 3M: COMPANY SNAPSHOT

TABLE 186. 3M: OPERATING SEGMENTS

TABLE 187. 3M: PRODUCT PORTFOLIO

TABLE 188. OVERALL FINANCIAL STATUS (\$MILLION)

TABLE 189. 3M: KEY STRATEGIC MOVES AND DEVELOPMENTS

## List Of Figures

### LIST OF FIGURES

- FIGURE 01. GLOBAL HYDROGEL MARKET SEGMENTATION
- FIGURE 02. TOP INVESTMENT POCKETS, BY COUNTRY (2018)
- FIGURE 03. MODERATE BARGAINING POWER OF SUPPLIERS
- FIGURE 04. LOW BARGAINING POWER OF BUYERS
- FIGURE 05. LOW THREAT OF NEW ENTRANTS
- FIGURE 06. LOW THREAT OF SUBSTITUTES
- FIGURE 07. HIGH INTENSITY OF COMPETITIVE RIVALRY
- FIGURE 08. HYDROGEL MARKET DYNAMICS
- FIGURE 09. HYDROGEL MARKET OVERVIEW
- FIGURE 10. PATENT ANALYSIS, BY COUNTRY
- FIGURE 11. PATENT ANALYSIS, BY APPLICANT
- FIGURE 12. PATENT ANALYSIS, BY INVENTORS
- FIGURE 13. GLOBAL HYDROGEL MARKET REVENUE, BY RAW MATERIAL TYPE, 2019-2027(\$MILLION)
- FIGURE 14. COMPARATIVE ANALYSIS OF HYDROGEL MARKET FOR SYNTHETIC, BY COUNTRY, 2019& 2027(\$MILLION)
- FIGURE 15. COMPARATIVE ANALYSIS OF HYDROGEL MARKET FOR NATURAL, BY COUNTRY, 2019& 2027 (\$MILLION)
- FIGURE 16. COMPARATIVE ANALYSIS OF HYDROGEL MARKET FOR HYBRID, BY COUNTRY, 2019& 2027 (\$MILLION)
- FIGURE 17. GLOBAL HYDROGEL MARKET REVENUE, BY COMPOSITION, 2019-2027(\$MILLION)
- FIGURE 18. COMPARATIVE ANALYSIS OF HYDROGEL MARKET FOR



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