

Global Functional Hydrogel Coating Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Functional Hydrogel Coating market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Hydrogel is a material form formed by polymer network absorbing water and swelling. In recent years, researchers have diversified the chemical composition and network topology of hydrogels, and synthesized various functional hydrogel materials, which are rich in stimuli responsiveness (temperature, electric field, pH, etc.) , functionality (such as drug loading, lubrication, anti-fouling, etc.) and mechanical strength and toughness (strong adhesion, impact resistance, etc.), play an irreplaceable role in the fields of intelligent flexible devices, soft robots, etc. At the same time, with the solution of hydrogel strong and tough bonding technology, people have also begun to integrate functional hydrogel coatings with metals, semiconductors and other materials. The various functional properties of the glue are integrated into the material, thereby creating new opportunities for medical devices, smart flexible devices, and more.

This report studies the global Functional Hydrogel Coating production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Functional Hydrogel Coating, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Functional Hydrogel Coating that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Functional Hydrogel Coating total production and demand, 2018-2029, (Tons)

Global Functional Hydrogel Coating total production value, 2018-2029, (USD Million)

Global Functional Hydrogel Coating production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Functional Hydrogel Coating consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Functional Hydrogel Coating domestic production, consumption, key domestic manufacturers and share

Global Functional Hydrogel Coating production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Functional Hydrogel Coating production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Functional Hydrogel Coating production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons)

This reports profiles key players in the global Functional Hydrogel Coating market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include DSM Biomedical, Surmodics, Biocoat, Coatings2Go, Hydromer, Harland Medical Systems, AST Products, Surface Solutions Group and ISurTec, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Functional Hydrogel Coating market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Functional Hydrogel Coating Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Functional Hydrogel Coating Market, Segmentation by Type

Medical Use

Non-Medical Use

Global Functional Hydrogel Coating Market, Segmentation by Application

Medicine

Medical Instruments

Electronic

Semiconductor

Chemical

Machinery

Companies Profiled:

DSM Biomedical

Surmodics

Biocoat

Coatings2Go

Hydromer

Harland Medical Systems

AST Products

Surface Solutions Group

ISurTec

AdvanSource Biomaterials

Teleflex

Argon Medical

Medichem

JMedtech

3M

Akzo Nobel

PPG Industries

SCHOTT

SOCOMORE

Key Questions Answered

1. How big is the global Functional Hydrogel Coating market?
2. What is the demand of the global Functional Hydrogel Coating market?
3. What is the year over year growth of the global Functional Hydrogel Coating market?
4. What is the production and production value of the global Functional Hydrogel Coating market?
5. Who are the key producers in the global Functional Hydrogel Coating market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Functional Hydrogel Coating Introduction
- 1.2 World Functional Hydrogel Coating Supply & Forecast
 - 1.2.1 World Functional Hydrogel Coating Production Value (2018 & 2022 & 2029)
 - 1.2.2 World Functional Hydrogel Coating Production (2018-2029)
 - 1.2.3 World Functional Hydrogel Coating Pricing Trends (2018-2029)
- 1.3 World Functional Hydrogel Coating Production by Region (Based on Production Site)
 - 1.3.1 World Functional Hydrogel Coating Production Value by Region (2018-2029)
 - 1.3.2 World Functional Hydrogel Coating Production by Region (2018-2029)
 - 1.3.3 World Functional Hydrogel Coating Average Price by Region (2018-2029)
 - 1.3.4 North America Functional Hydrogel Coating Production (2018-2029)
 - 1.3.5 Europe Functional Hydrogel Coating Production (2018-2029)
 - 1.3.6 China Functional Hydrogel Coating Production (2018-2029)
 - 1.3.7 Japan Functional Hydrogel Coating Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Functional Hydrogel Coating Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Functional Hydrogel Coating Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World Functional Hydrogel Coating Demand (2018-2029)
- 2.2 World Functional Hydrogel Coating Consumption by Region
 - 2.2.1 World Functional Hydrogel Coating Consumption by Region (2018-2023)
 - 2.2.2 World Functional Hydrogel Coating Consumption Forecast by Region (2024-2029)
- 2.3 United States Functional Hydrogel Coating Consumption (2018-2029)
- 2.4 China Functional Hydrogel Coating Consumption (2018-2029)
- 2.5 Europe Functional Hydrogel Coating Consumption (2018-2029)
- 2.6 Japan Functional Hydrogel Coating Consumption (2018-2029)
- 2.7 South Korea Functional Hydrogel Coating Consumption (2018-2029)
- 2.8 ASEAN Functional Hydrogel Coating Consumption (2018-2029)

2.9 India Functional Hydrogel Coating Consumption (2018-2029)

3 WORLD FUNCTIONAL HYDROGEL COATING MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Functional Hydrogel Coating Production Value by Manufacturer (2018-2023)

3.2 World Functional Hydrogel Coating Production by Manufacturer (2018-2023)

3.3 World Functional Hydrogel Coating Average Price by Manufacturer (2018-2023)

3.4 Functional Hydrogel Coating Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Functional Hydrogel Coating Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Functional Hydrogel Coating in 2022

3.5.3 Global Concentration Ratios (CR8) for Functional Hydrogel Coating in 2022

3.6 Functional Hydrogel Coating Market: Overall Company Footprint Analysis

3.6.1 Functional Hydrogel Coating Market: Region Footprint

3.6.2 Functional Hydrogel Coating Market: Company Product Type Footprint

3.6.3 Functional Hydrogel Coating Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Functional Hydrogel Coating Production Value Comparison

4.1.1 United States VS China: Functional Hydrogel Coating Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Functional Hydrogel Coating Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Functional Hydrogel Coating Production Comparison

4.2.1 United States VS China: Functional Hydrogel Coating Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Functional Hydrogel Coating Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Functional Hydrogel Coating Consumption Comparison

4.3.1 United States VS China: Functional Hydrogel Coating Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Functional Hydrogel Coating Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based Functional Hydrogel Coating Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Functional Hydrogel Coating Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Functional Hydrogel Coating Production Value (2018-2023)

4.4.3 United States Based Manufacturers Functional Hydrogel Coating Production (2018-2023)

4.5 China Based Functional Hydrogel Coating Manufacturers and Market Share

4.5.1 China Based Functional Hydrogel Coating Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Functional Hydrogel Coating Production Value (2018-2023)

4.5.3 China Based Manufacturers Functional Hydrogel Coating Production (2018-2023)

4.6 Rest of World Based Functional Hydrogel Coating Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Functional Hydrogel Coating Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Functional Hydrogel Coating Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Functional Hydrogel Coating Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World Functional Hydrogel Coating Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Medical Use

5.2.2 Non-Medical Use

5.3 Market Segment by Type

5.3.1 World Functional Hydrogel Coating Production by Type (2018-2029)

5.3.2 World Functional Hydrogel Coating Production Value by Type (2018-2029)

5.3.3 World Functional Hydrogel Coating Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Functional Hydrogel Coating Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Medicine

6.2.2 Medical Instruments

6.2.3 Electronic

6.2.4 Semiconductor

6.2.5 Chemical

6.2.6 Machinery

6.3 Market Segment by Application

6.3.1 World Functional Hydrogel Coating Production by Application (2018-2029)

6.3.2 World Functional Hydrogel Coating Production Value by Application (2018-2029)

6.3.3 World Functional Hydrogel Coating Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 DSM Biomedical

7.1.1 DSM Biomedical Details

7.1.2 DSM Biomedical Major Business

7.1.3 DSM Biomedical Functional Hydrogel Coating Product and Services

7.1.4 DSM Biomedical Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 DSM Biomedical Recent Developments/Updates

7.1.6 DSM Biomedical Competitive Strengths & Weaknesses

7.2 Surmodics

7.2.1 Surmodics Details

7.2.2 Surmodics Major Business

7.2.3 Surmodics Functional Hydrogel Coating Product and Services

7.2.4 Surmodics Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 Surmodics Recent Developments/Updates

7.2.6 Surmodics Competitive Strengths & Weaknesses

7.3 Biocoat

7.3.1 Biocoat Details

7.3.2 Biocoat Major Business

7.3.3 Biocoat Functional Hydrogel Coating Product and Services

7.3.4 Biocoat Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)

- 7.3.5 Biocoat Recent Developments/Updates
- 7.3.6 Biocoat Competitive Strengths & Weaknesses
- 7.4 Coatings2Go
 - 7.4.1 Coatings2Go Details
 - 7.4.2 Coatings2Go Major Business
 - 7.4.3 Coatings2Go Functional Hydrogel Coating Product and Services
 - 7.4.4 Coatings2Go Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.4.5 Coatings2Go Recent Developments/Updates
 - 7.4.6 Coatings2Go Competitive Strengths & Weaknesses
- 7.5 Hydromer
 - 7.5.1 Hydromer Details
 - 7.5.2 Hydromer Major Business
 - 7.5.3 Hydromer Functional Hydrogel Coating Product and Services
 - 7.5.4 Hydromer Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.5.5 Hydromer Recent Developments/Updates
 - 7.5.6 Hydromer Competitive Strengths & Weaknesses
- 7.6 Harland Medical Systems
 - 7.6.1 Harland Medical Systems Details
 - 7.6.2 Harland Medical Systems Major Business
 - 7.6.3 Harland Medical Systems Functional Hydrogel Coating Product and Services
 - 7.6.4 Harland Medical Systems Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.6.5 Harland Medical Systems Recent Developments/Updates
 - 7.6.6 Harland Medical Systems Competitive Strengths & Weaknesses
- 7.7 AST Products
 - 7.7.1 AST Products Details
 - 7.7.2 AST Products Major Business
 - 7.7.3 AST Products Functional Hydrogel Coating Product and Services
 - 7.7.4 AST Products Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.7.5 AST Products Recent Developments/Updates
 - 7.7.6 AST Products Competitive Strengths & Weaknesses
- 7.8 Surface Solutions Group
 - 7.8.1 Surface Solutions Group Details
 - 7.8.2 Surface Solutions Group Major Business
 - 7.8.3 Surface Solutions Group Functional Hydrogel Coating Product and Services
 - 7.8.4 Surface Solutions Group Functional Hydrogel Coating Production, Price, Value,

Gross Margin and Market Share (2018-2023)

7.8.5 Surface Solutions Group Recent Developments/Updates

7.8.6 Surface Solutions Group Competitive Strengths & Weaknesses

7.9 ISurTec

7.9.1 ISurTec Details

7.9.2 ISurTec Major Business

7.9.3 ISurTec Functional Hydrogel Coating Product and Services

7.9.4 ISurTec Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.9.5 ISurTec Recent Developments/Updates

7.9.6 ISurTec Competitive Strengths & Weaknesses

7.10 AdvanSource Biomaterials

7.10.1 AdvanSource Biomaterials Details

7.10.2 AdvanSource Biomaterials Major Business

7.10.3 AdvanSource Biomaterials Functional Hydrogel Coating Product and Services

7.10.4 AdvanSource Biomaterials Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.10.5 AdvanSource Biomaterials Recent Developments/Updates

7.10.6 AdvanSource Biomaterials Competitive Strengths & Weaknesses

7.11 Teleflex

7.11.1 Teleflex Details

7.11.2 Teleflex Major Business

7.11.3 Teleflex Functional Hydrogel Coating Product and Services

7.11.4 Teleflex Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.11.5 Teleflex Recent Developments/Updates

7.11.6 Teleflex Competitive Strengths & Weaknesses

7.12 Argon Medical

7.12.1 Argon Medical Details

7.12.2 Argon Medical Major Business

7.12.3 Argon Medical Functional Hydrogel Coating Product and Services

7.12.4 Argon Medical Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.12.5 Argon Medical Recent Developments/Updates

7.12.6 Argon Medical Competitive Strengths & Weaknesses

7.13 Medichem

7.13.1 Medichem Details

7.13.2 Medichem Major Business

7.13.3 Medichem Functional Hydrogel Coating Product and Services

7.13.4 Medichem Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.13.5 Medichem Recent Developments/Updates

7.13.6 Medichem Competitive Strengths & Weaknesses

7.14 JMedtech

7.14.1 JMedtech Details

7.14.2 JMedtech Major Business

7.14.3 JMedtech Functional Hydrogel Coating Product and Services

7.14.4 JMedtech Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.14.5 JMedtech Recent Developments/Updates

7.14.6 JMedtech Competitive Strengths & Weaknesses

7.15 3M

7.15.1 3M Details

7.15.2 3M Major Business

7.15.3 3M Functional Hydrogel Coating Product and Services

7.15.4 3M Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.15.5 3M Recent Developments/Updates

7.15.6 3M Competitive Strengths & Weaknesses

7.16 Akzo Nobel

7.16.1 Akzo Nobel Details

7.16.2 Akzo Nobel Major Business

7.16.3 Akzo Nobel Functional Hydrogel Coating Product and Services

7.16.4 Akzo Nobel Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.16.5 Akzo Nobel Recent Developments/Updates

7.16.6 Akzo Nobel Competitive Strengths & Weaknesses

7.17 PPG Industries

7.17.1 PPG Industries Details

7.17.2 PPG Industries Major Business

7.17.3 PPG Industries Functional Hydrogel Coating Product and Services

7.17.4 PPG Industries Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.17.5 PPG Industries Recent Developments/Updates

7.17.6 PPG Industries Competitive Strengths & Weaknesses

7.18 SCHOTT

7.18.1 SCHOTT Details

7.18.2 SCHOTT Major Business

- 7.18.3 SCHOTT Functional Hydrogel Coating Product and Services
- 7.18.4 SCHOTT Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.18.5 SCHOTT Recent Developments/Updates
- 7.18.6 SCHOTT Competitive Strengths & Weaknesses
- 7.19 SOCOMORE
 - 7.19.1 SOCOMORE Details
 - 7.19.2 SOCOMORE Major Business
 - 7.19.3 SOCOMORE Functional Hydrogel Coating Product and Services
 - 7.19.4 SOCOMORE Functional Hydrogel Coating Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.19.5 SOCOMORE Recent Developments/Updates
 - 7.19.6 SOCOMORE Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 Functional Hydrogel Coating Industry Chain
- 8.2 Functional Hydrogel Coating Upstream Analysis
 - 8.2.1 Functional Hydrogel Coating Core Raw Materials
 - 8.2.2 Main Manufacturers of Functional Hydrogel Coating Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Functional Hydrogel Coating Production Mode
- 8.6 Functional Hydrogel Coating Procurement Model
- 8.7 Functional Hydrogel Coating Industry Sales Model and Sales Channels
 - 8.7.1 Functional Hydrogel Coating Sales Model
 - 8.7.2 Functional Hydrogel Coating Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Functional Hydrogel Coating Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Functional Hydrogel Coating Production Value by Region (2018-2023) & (USD Million)

Table 3. World Functional Hydrogel Coating Production Value by Region (2024-2029) & (USD Million)

Table 4. World Functional Hydrogel Coating Production Value Market Share by Region (2018-2023)

Table 5. World Functional Hydrogel Coating Production Value Market Share by Region (2024-2029)

Table 6. World Functional Hydrogel Coating Production by Region (2018-2023) & (Tons)

Table 7. World Functional Hydrogel Coating Production by Region (2024-2029) & (Tons)

Table 8. World Functional Hydrogel Coating Production Market Share by Region (2018-2023)

Table 9. World Functional Hydrogel Coating Production Market Share by Region (2024-2029)

Table 10. World Functional Hydrogel Coating Average Price by Region (2018-2023) & (US\$/Ton)

Table 11. World Functional Hydrogel Coating Average Price by Region (2024-2029) & (US\$/Ton)

Table 12. Functional Hydrogel Coating Major Market Trends

Table 13. World Functional Hydrogel Coating Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Tons)

Table 14. World Functional Hydrogel Coating Consumption by Region (2018-2023) & (Tons)

Table 15. World Functional Hydrogel Coating Consumption Forecast by Region (2024-2029) & (Tons)

Table 16. World Functional Hydrogel Coating Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Functional Hydrogel Coating Producers in 2022

Table 18. World Functional Hydrogel Coating Production by Manufacturer (2018-2023) & (Tons)

Table 19. Production Market Share of Key Functional Hydrogel Coating Producers in 2022

Table 20. World Functional Hydrogel Coating Average Price by Manufacturer (2018-2023) & (US\$/Ton)

Table 21. Global Functional Hydrogel Coating Company Evaluation Quadrant

Table 22. World Functional Hydrogel Coating Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Functional Hydrogel Coating Production Site of Key Manufacturer

Table 24. Functional Hydrogel Coating Market: Company Product Type Footprint

Table 25. Functional Hydrogel Coating Market: Company Product Application Footprint

Table 26. Functional Hydrogel Coating Competitive Factors

Table 27. Functional Hydrogel Coating New Entrant and Capacity Expansion Plans

Table 28. Functional Hydrogel Coating Mergers & Acquisitions Activity

Table 29. United States VS China Functional Hydrogel Coating Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Functional Hydrogel Coating Production Comparison, (2018 & 2022 & 2029) & (Tons)

Table 31. United States VS China Functional Hydrogel Coating Consumption Comparison, (2018 & 2022 & 2029) & (Tons)

Table 32. United States Based Functional Hydrogel Coating Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Functional Hydrogel Coating Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Functional Hydrogel Coating Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Functional Hydrogel Coating Production (2018-2023) & (Tons)

Table 36. United States Based Manufacturers Functional Hydrogel Coating Production Market Share (2018-2023)

Table 37. China Based Functional Hydrogel Coating Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Functional Hydrogel Coating Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Functional Hydrogel Coating Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Functional Hydrogel Coating Production (2018-2023) & (Tons)

Table 41. China Based Manufacturers Functional Hydrogel Coating Production Market

Share (2018-2023)

Table 42. Rest of World Based Functional Hydrogel Coating Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Functional Hydrogel Coating Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Functional Hydrogel Coating Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Functional Hydrogel Coating Production (2018-2023) & (Tons)

Table 46. Rest of World Based Manufacturers Functional Hydrogel Coating Production Market Share (2018-2023)

Table 47. World Functional Hydrogel Coating Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Functional Hydrogel Coating Production by Type (2018-2023) & (Tons)

Table 49. World Functional Hydrogel Coating Production by Type (2024-2029) & (Tons)

Table 50. World Functional Hydrogel Coating Production Value by Type (2018-2023) & (USD Million)

Table 51. World Functional Hydrogel Coating Production Value by Type (2024-2029) & (USD Million)

Table 52. World Functional Hydrogel Coating Average Price by Type (2018-2023) & (US\$/Ton)

Table 53. World Functional Hydrogel Coating Average Price by Type (2024-2029) & (US\$/Ton)

Table 54. World Functional Hydrogel Coating Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Functional Hydrogel Coating Production by Application (2018-2023) & (Tons)

Table 56. World Functional Hydrogel Coating Production by Application (2024-2029) & (Tons)

Table 57. World Functional Hydrogel Coating Production Value by Application (2018-2023) & (USD Million)

Table 58. World Functional Hydrogel Coating Production Value by Application (2024-2029) & (USD Million)

Table 59. World Functional Hydrogel Coating Average Price by Application (2018-2023) & (US\$/Ton)

Table 60. World Functional Hydrogel Coating Average Price by Application (2024-2029) & (US\$/Ton)

Table 61. DSM Biomedical Basic Information, Manufacturing Base and Competitors

Table 62. DSM Biomedical Major Business

Table 63. DSM Biomedical Functional Hydrogel Coating Product and Services

Table 64. DSM Biomedical Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. DSM Biomedical Recent Developments/Updates

Table 66. DSM Biomedical Competitive Strengths & Weaknesses

Table 67. Surmodics Basic Information, Manufacturing Base and Competitors

Table 68. Surmodics Major Business

Table 69. Surmodics Functional Hydrogel Coating Product and Services

Table 70. Surmodics Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. Surmodics Recent Developments/Updates

Table 72. Surmodics Competitive Strengths & Weaknesses

Table 73. Biocoat Basic Information, Manufacturing Base and Competitors

Table 74. Biocoat Major Business

Table 75. Biocoat Functional Hydrogel Coating Product and Services

Table 76. Biocoat Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Biocoat Recent Developments/Updates

Table 78. Biocoat Competitive Strengths & Weaknesses

Table 79. Coatings2Go Basic Information, Manufacturing Base and Competitors

Table 80. Coatings2Go Major Business

Table 81. Coatings2Go Functional Hydrogel Coating Product and Services

Table 82. Coatings2Go Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. Coatings2Go Recent Developments/Updates

Table 84. Coatings2Go Competitive Strengths & Weaknesses

Table 85. Hydromer Basic Information, Manufacturing Base and Competitors

Table 86. Hydromer Major Business

Table 87. Hydromer Functional Hydrogel Coating Product and Services

Table 88. Hydromer Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. Hydromer Recent Developments/Updates

Table 90. Hydromer Competitive Strengths & Weaknesses

Table 91. Harland Medical Systems Basic Information, Manufacturing Base and Competitors

Table 92. Harland Medical Systems Major Business

Table 93. Harland Medical Systems Functional Hydrogel Coating Product and Services

Table 94. Harland Medical Systems Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Harland Medical Systems Recent Developments/Updates

Table 96. Harland Medical Systems Competitive Strengths & Weaknesses

Table 97. AST Products Basic Information, Manufacturing Base and Competitors

Table 98. AST Products Major Business

Table 99. AST Products Functional Hydrogel Coating Product and Services

Table 100. AST Products Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. AST Products Recent Developments/Updates

Table 102. AST Products Competitive Strengths & Weaknesses

Table 103. Surface Solutions Group Basic Information, Manufacturing Base and Competitors

Table 104. Surface Solutions Group Major Business

Table 105. Surface Solutions Group Functional Hydrogel Coating Product and Services

Table 106. Surface Solutions Group Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Surface Solutions Group Recent Developments/Updates

Table 108. Surface Solutions Group Competitive Strengths & Weaknesses

Table 109. ISurTec Basic Information, Manufacturing Base and Competitors

Table 110. ISurTec Major Business

Table 111. ISurTec Functional Hydrogel Coating Product and Services

Table 112. ISurTec Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. ISurTec Recent Developments/Updates

Table 114. ISurTec Competitive Strengths & Weaknesses

Table 115. AdvanSource Biomaterials Basic Information, Manufacturing Base and Competitors

Table 116. AdvanSource Biomaterials Major Business

Table 117. AdvanSource Biomaterials Functional Hydrogel Coating Product and Services

Table 118. AdvanSource Biomaterials Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 119. AdvanSource Biomaterials Recent Developments/Updates

Table 120. AdvanSource Biomaterials Competitive Strengths & Weaknesses

- Table 121. Teleflex Basic Information, Manufacturing Base and Competitors
- Table 122. Teleflex Major Business
- Table 123. Teleflex Functional Hydrogel Coating Product and Services
- Table 124. Teleflex Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 125. Teleflex Recent Developments/Updates
- Table 126. Teleflex Competitive Strengths & Weaknesses
- Table 127. Argon Medical Basic Information, Manufacturing Base and Competitors
- Table 128. Argon Medical Major Business
- Table 129. Argon Medical Functional Hydrogel Coating Product and Services
- Table 130. Argon Medical Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 131. Argon Medical Recent Developments/Updates
- Table 132. Argon Medical Competitive Strengths & Weaknesses
- Table 133. Medichem Basic Information, Manufacturing Base and Competitors
- Table 134. Medichem Major Business
- Table 135. Medichem Functional Hydrogel Coating Product and Services
- Table 136. Medichem Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 137. Medichem Recent Developments/Updates
- Table 138. Medichem Competitive Strengths & Weaknesses
- Table 139. JMedtech Basic Information, Manufacturing Base and Competitors
- Table 140. JMedtech Major Business
- Table 141. JMedtech Functional Hydrogel Coating Product and Services
- Table 142. JMedtech Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 143. JMedtech Recent Developments/Updates
- Table 144. JMedtech Competitive Strengths & Weaknesses
- Table 145. 3M Basic Information, Manufacturing Base and Competitors
- Table 146. 3M Major Business
- Table 147. 3M Functional Hydrogel Coating Product and Services
- Table 148. 3M Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 149. 3M Recent Developments/Updates
- Table 150. 3M Competitive Strengths & Weaknesses
- Table 151. Akzo Nobel Basic Information, Manufacturing Base and Competitors
- Table 152. Akzo Nobel Major Business
- Table 153. Akzo Nobel Functional Hydrogel Coating Product and Services

Table 154. Akzo Nobel Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 155. Akzo Nobel Recent Developments/Updates

Table 156. Akzo Nobel Competitive Strengths & Weaknesses

Table 157. PPG Industries Basic Information, Manufacturing Base and Competitors

Table 158. PPG Industries Major Business

Table 159. PPG Industries Functional Hydrogel Coating Product and Services

Table 160. PPG Industries Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 161. PPG Industries Recent Developments/Updates

Table 162. PPG Industries Competitive Strengths & Weaknesses

Table 163. SCHOTT Basic Information, Manufacturing Base and Competitors

Table 164. SCHOTT Major Business

Table 165. SCHOTT Functional Hydrogel Coating Product and Services

Table 166. SCHOTT Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 167. SCHOTT Recent Developments/Updates

Table 168. SOCOMORE Basic Information, Manufacturing Base and Competitors

Table 169. SOCOMORE Major Business

Table 170. SOCOMORE Functional Hydrogel Coating Product and Services

Table 171. SOCOMORE Functional Hydrogel Coating Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 172. Global Key Players of Functional Hydrogel Coating Upstream (Raw Materials)

Table 173. Functional Hydrogel Coating Typical Customers

Table 174. Functional Hydrogel Coating Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Functional Hydrogel Coating Picture

Figure 2. World Functional Hydrogel Coating Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Functional Hydrogel Coating Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Functional Hydrogel Coating Production (2018-2029) & (Tons)

Figure 5. World Functional Hydrogel Coating Average Price (2018-2029) & (US\$/Ton)

Figure 6. World Functional Hydrogel Coating Production Value Market Share by Region (2018-2029)

Figure 7. World Functional Hydrogel Coating Production Market Share by Region (2018-2029)

Figure 8. North America Functional Hydrogel Coating Production (2018-2029) & (Tons)

Figure 9. Europe Functional Hydrogel Coating Production (2018-2029) & (Tons)

Figure 10. China Functional Hydrogel Coating Production (2018-2029) & (Tons)

Figure 11. Japan Functional Hydrogel Coating Production (2018-2029) & (Tons)

Figure 12. Functional Hydrogel Coating Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Functional Hydrogel Coating Consumption (2018-2029) & (Tons)

Figure 15. World Functional Hydrogel Coating Consumption Market Share by Region (2018-2029)

Figure 16. United States Functional Hydrogel Coating Consumption (2018-2029) & (Tons)

Figure 17. China Functional Hydrogel Coating Consumption (2018-2029) & (Tons)

Figure 18. Europe Functional Hydrogel Coating Consumption (2018-2029) & (Tons)

Figure 19. Japan Functional Hydrogel Coating Consumption (2018-2029) & (Tons)

Figure 20. South Korea Functional Hydrogel Coating Consumption (2018-2029) & (Tons)

Figure 21. ASEAN Functional Hydrogel Coating Consumption (2018-2029) & (Tons)

Figure 22. India Functional Hydrogel Coating Consumption (2018-2029) & (Tons)

Figure 23. Producer Shipments of Functional Hydrogel Coating by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 24. Global Four-firm Concentration Ratios (CR4) for Functional Hydrogel Coating Markets in 2022

Figure 25. Global Four-firm Concentration Ratios (CR8) for Functional Hydrogel Coating Markets in 2022

Figure 26. United States VS China: Functional Hydrogel Coating Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: Functional Hydrogel Coating Production Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Functional Hydrogel Coating Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States Based Manufacturers Functional Hydrogel Coating Production Market Share 2022

Figure 30. China Based Manufacturers Functional Hydrogel Coating Production Market Share 2022

Figure 31. Rest of World Based Manufacturers Functional Hydrogel Coating Production Market Share 2022

Figure 32. World Functional Hydrogel Coating Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 33. World Functional Hydrogel Coating Production Value Market Share by Type in 2022

Figure 34. Medical Use

Figure 35. Non-Medical Use

Figure 36. World Functional Hydrogel Coating Production Market Share by Type (2018-2029)

Figure 37. World Functional Hydrogel Coating Production Value Market Share by Type (2018-2029)

Figure 38. World Functional Hydrogel Coating Average Price by Type (2018-2029) & (US\$/Ton)

Figure 39. World Functional Hydrogel Coating Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 40. World Functional Hydrogel Coating Production Value Market Share by Application in 2022

Figure 41. Medicine

Figure 42. Medical Instruments

Figure 43. Electronic

Figure 44. Semiconductor

Figure 45. Chemical

Figure 46. Machinery

Figure 47. World Functional Hydrogel Coating Production Market Share by Application (2018-2029)

Figure 48. World Functional Hydrogel Coating Production Value Market Share by Application (2018-2029)

Figure 49. World Functional Hydrogel Coating Average Price by Application

(2018-2029) & (US\$/Ton)

Figure 50. Functional Hydrogel Coating Industry Chain

Figure 51. Functional Hydrogel Coating Procurement Model

Figure 52. Functional Hydrogel Coating Sales Model

Figure 53. Functional Hydrogel Coating Sales Channels, Direct Sales, and Distribution

Figure 54. Methodology

Figure 55. Research Process and Data Source

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