

Global Medical Polymer Coatings Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Medical Polymer Coatings market size was valued at US\$ 3190 million in 2025 and is forecast to a readjusted size of US\$ 5800 million by 2032 with a CAGR of 8.9% during review period.

In 2025, global Medical Polymer Coatings production reached approximately 36,500 tons, with an average global market price of around US\$85,000 per ton.

The gross profit margin of major companies in the industry is between 35%–55%.

In 2025, the global production capacity of medical polymer coatings was approximately 48,700 tons.

Medical Polymer Coatings are specialized surface coatings applied to medical devices and implants to improve biocompatibility, durability, and functional performance. These coatings are typically made from biocompatible polymers such as polyurethane, silicone, polyethylene glycol, or fluoropolymers. Medical polymer coatings help reduce friction, prevent bacterial adhesion, improve drug delivery, and enhance corrosion resistance of medical devices. They are widely used on catheters, stents, surgical instruments, implants, and diagnostic equipment.

The industrial chain includes upstream polymer resins, specialty chemicals, additives, and coating solvents. Midstream processes involve coating formulation, surface treatment, deposition processes, curing, and quality inspection. Downstream users include medical device manufacturers, pharmaceutical companies, hospitals, and biomedical research institutions. Supporting services include coating technology

development, sterilization compatibility testing, and regulatory compliance services.

The medical polymer coatings market is expanding rapidly as demand for advanced medical devices and implantable products continues to increase. Medical coatings play a crucial role in improving device biocompatibility, reducing infection risks, and enhancing functional performance. The growth of minimally invasive procedures and implantable medical technologies is driving the adoption of advanced coating materials. Technological innovations are focusing on antimicrobial coatings, drug-eluting surfaces, and improved biocompatible materials. However, strict regulatory requirements and complex approval processes for medical devices may influence market entry and product development. Overall, increasing healthcare demand and medical technology innovation are expected to support strong growth in the medical polymer coatings market.

This report is a detailed and comprehensive analysis for global Medical Polymer Coatings market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Medical Polymer Coatings market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Medical Polymer Coatings market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Medical Polymer Coatings market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Medical Polymer Coatings market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Medical Polymer Coatings

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Medical Polymer Coatings market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include DSM Biomedical, Surmodics, Specialty Coating Systems (SCS), Biocoat, Coatings2Go, Thermal Spray Technologies, Hydromer, Harland Medical Systems, AST Products, Precision Coating, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Medical Polymer Coatings market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Hydrophilic

Antibacterial

Anticoagulant

Others

Market segment by Coating Function

Anti-bacterial Coating

Drug-eluting Coating

Biocompatible Coating

Market segment by Application Method

Dip Coating

Spray Coating

Electrostatic Coating

Market segment by Application

Catheter

Stent Delivery System

Guide Wire

Others

Major players covered

DSM Biomedical

Surmodics

Specialty Coating Systems (SCS)

Biocoat

Coatings2Go

Thermal Spray Technologies

Hydromer

Harland Medical Systems

AST Products

Precision Coating

Surface Solutions Group

ISurTec

Whitford

AdvanSource Biomaterials

Jiangsu Biosurf Biotech

jMedtech

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Medical Polymer Coatings product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Medical Polymer Coatings, with price, sales quantity, revenue, and global market share of Medical Polymer Coatings from 2021 to 2026.

Chapter 3, the Medical Polymer Coatings competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape

contrast.

Chapter 4, the Medical Polymer Coatings breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Medical Polymer Coatings market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Medical Polymer Coatings.

Chapter 14 and 15, to describe Medical Polymer Coatings sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Medical Polymer Coatings Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Hydrophilic

1.3.3 Antibacterial

1.3.4 Anticoagulant

1.3.5 Others

1.4 Market Analysis by Coating Function

1.4.1 Overview: Global Medical Polymer Coatings Consumption Value by Coating Function: 2021 Versus 2025 Versus 2032

1.4.2 Anti-bacterial Coating

1.4.3 Drug-eluting Coating

1.4.4 Biocompatible Coating

1.5 Market Analysis by Application Method

1.5.1 Overview: Global Medical Polymer Coatings Consumption Value by Application Method: 2021 Versus 2025 Versus 2032

1.5.2 Dip Coating

1.5.3 Spray Coating

1.5.4 Electrostatic Coating

1.6 Market Analysis by Application

1.6.1 Overview: Global Medical Polymer Coatings Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Catheter

1.6.3 Stent Delivery System

1.6.4 Guide Wire

1.6.5 Others

1.7 Global Medical Polymer Coatings Market Size & Forecast

1.7.1 Global Medical Polymer Coatings Consumption Value (2021 & 2025 & 2032)

1.7.2 Global Medical Polymer Coatings Sales Quantity (2021-2032)

1.7.3 Global Medical Polymer Coatings Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 DSM Biomedical

2.1.1 DSM Biomedical Details

2.1.2 DSM Biomedical Major Business

2.1.3 DSM Biomedical Medical Polymer Coatings Product and Services

2.1.4 DSM Biomedical Medical Polymer Coatings Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 DSM Biomedical Recent Developments/Updates

2.2 Surmodics

2.2.1 Surmodics Details

2.2.2 Surmodics Major Business

2.2.3 Surmodics Medical Polymer Coatings Product and Services

2.2.4 Surmodics Medical Polymer Coatings Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 Surmodics Recent Developments/Updates

2.3 Specialty Coating Systems (SCS)

2.3.1 Specialty Coating Systems (SCS) Details

2.3.2 Specialty Coating Systems (SCS) Major Business

2.3.3 Specialty Coating Systems (SCS) Medical Polymer Coatings Product and Services

2.3.4 Specialty Coating Systems (SCS) Medical Polymer Coatings Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 Specialty Coating Systems (SCS) Recent Developments/Updates

2.4 Biocoat

2.4.1 Biocoat Details

2.4.2 Biocoat Major Business

2.4.3 Biocoat Medical Polymer Coatings Product and Services

2.4.4 Biocoat Medical Polymer Coatings Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 Biocoat Recent Developments/Updates

2.5 Coatings2Go

2.5.1 Coatings2Go Details

2.5.2 Coatings2Go Major Business

2.5.3 Coatings2Go Medical Polymer Coatings Product and Services

2.5.4 Coatings2Go Medical Polymer Coatings Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 Coatings2Go Recent Developments/Updates

2.6 Thermal Spray Technologies

2.6.1 Thermal Spray Technologies Details

2.6.2 Thermal Spray Technologies Major Business

- 2.6.3 Thermal Spray Technologies Medical Polymer Coatings Product and Services
- 2.6.4 Thermal Spray Technologies Medical Polymer Coatings Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.6.5 Thermal Spray Technologies Recent Developments/Updates
- 2.7 Hydromer
 - 2.7.1 Hydromer Details
 - 2.7.2 Hydromer Major Business
 - 2.7.3 Hydromer Medical Polymer Coatings Product and Services
 - 2.7.4 Hydromer Medical Polymer Coatings Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.7.5 Hydromer Recent Developments/Updates
- 2.8 Harland Medical Systems
 - 2.8.1 Harland Medical Systems Details
 - 2.8.2 Harland Medical Systems Major Business
 - 2.8.3 Harland Medical Systems Medical Polymer Coatings Product and Services
 - 2.8.4 Harland Medical Systems Medical Polymer Coatings Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.8.5 Harland Medical Systems Recent Developments/Updates
- 2.9 AST Products
 - 2.9.1 AST Products Details
 - 2.9.2 AST Products Major Business
 - 2.9.3 AST Products Medical Polymer Coatings Product and Services
 - 2.9.4 AST Products Medical Polymer Coatings Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.9.5 AST Products Recent Developments/Updates
- 2.10 Precision Coating
 - 2.10.1 Precision Coating Details
 - 2.10.2 Precision Coating Major Business
 - 2.10.3 Precision Coating Medical Polymer Coatings Product and Services
 - 2.10.4 Precision Coating Medical Polymer Coatings Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.10.5 Precision Coating Recent Developments/Updates
- 2.11 Surface Solutions Group
 - 2.11.1 Surface Solutions Group Details
 - 2.11.2 Surface Solutions Group Major Business
 - 2.11.3 Surface Solutions Group Medical Polymer Coatings Product and Services
 - 2.11.4 Surface Solutions Group Medical Polymer Coatings Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.11.5 Surface Solutions Group Recent Developments/Updates

2.12 ISurTec

2.12.1 ISurTec Details

2.12.2 ISurTec Major Business

2.12.3 ISurTec Medical Polymer Coatings Product and Services

2.12.4 ISurTec Medical Polymer Coatings Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.12.5 ISurTec Recent Developments/Updates

2.13 Whitford

2.13.1 Whitford Details

2.13.2 Whitford Major Business

2.13.3 Whitford Medical Polymer Coatings Product and Services

2.13.4 Whitford Medical Polymer Coatings Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.13.5 Whitford Recent Developments/Updates

2.14 AdvanSource Biomaterials

2.14.1 AdvanSource Biomaterials Details

2.14.2 AdvanSource Biomaterials Major Business

2.14.3 AdvanSource Biomaterials Medical Polymer Coatings Product and Services

2.14.4 AdvanSource Biomaterials Medical Polymer Coatings Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.14.5 AdvanSource Biomaterials Recent Developments/Updates

2.15 Jiangsu Biosurf Biotech

2.15.1 Jiangsu Biosurf Biotech Details

2.15.2 Jiangsu Biosurf Biotech Major Business

2.15.3 Jiangsu Biosurf Biotech Medical Polymer Coatings Product and Services

2.15.4 Jiangsu Biosurf Biotech Medical Polymer Coatings Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.15.5 Jiangsu Biosurf Biotech Recent Developments/Updates

2.16 jMedtech

2.16.1 jMedtech Details

2.16.2 jMedtech Major Business

2.16.3 jMedtech Medical Polymer Coatings Product and Services

2.16.4 jMedtech Medical Polymer Coatings Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.16.5 jMedtech Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: MEDICAL POLYMER COATINGS BY MANUFACTURER

- 3.1 Global Medical Polymer Coatings Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global Medical Polymer Coatings Revenue by Manufacturer (2021-2026)
- 3.3 Global Medical Polymer Coatings Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
 - 3.4.1 Producer Shipments of Medical Polymer Coatings by Manufacturer Revenue (\$MM) and Market Share (%): 2025
 - 3.4.2 Top 3 Medical Polymer Coatings Manufacturer Market Share in 2025
 - 3.4.3 Top 6 Medical Polymer Coatings Manufacturer Market Share in 2025
- 3.5 Medical Polymer Coatings Market: Overall Company Footprint Analysis
 - 3.5.1 Medical Polymer Coatings Market: Region Footprint
 - 3.5.2 Medical Polymer Coatings Market: Company Product Type Footprint
 - 3.5.3 Medical Polymer Coatings Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Medical Polymer Coatings Market Size by Region
 - 4.1.1 Global Medical Polymer Coatings Sales Quantity by Region (2021-2032)
 - 4.1.2 Global Medical Polymer Coatings Consumption Value by Region (2021-2032)
 - 4.1.3 Global Medical Polymer Coatings Average Price by Region (2021-2032)
- 4.2 North America Medical Polymer Coatings Consumption Value (2021-2032)
- 4.3 Europe Medical Polymer Coatings Consumption Value (2021-2032)
- 4.4 Asia-Pacific Medical Polymer Coatings Consumption Value (2021-2032)
- 4.5 South America Medical Polymer Coatings Consumption Value (2021-2032)
- 4.6 Middle East & Africa Medical Polymer Coatings Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Medical Polymer Coatings Sales Quantity by Type (2021-2032)
- 5.2 Global Medical Polymer Coatings Consumption Value by Type (2021-2032)
- 5.3 Global Medical Polymer Coatings Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Medical Polymer Coatings Sales Quantity by Application (2021-2032)
- 6.2 Global Medical Polymer Coatings Consumption Value by Application (2021-2032)
- 6.3 Global Medical Polymer Coatings Average Price by Application (2021-2032)

7 NORTH AMERICA

- 7.1 North America Medical Polymer Coatings Sales Quantity by Type (2021-2032)
- 7.2 North America Medical Polymer Coatings Sales Quantity by Application (2021-2032)
- 7.3 North America Medical Polymer Coatings Market Size by Country
 - 7.3.1 North America Medical Polymer Coatings Sales Quantity by Country (2021-2032)
 - 7.3.2 North America Medical Polymer Coatings Consumption Value by Country (2021-2032)
 - 7.3.3 United States Market Size and Forecast (2021-2032)
 - 7.3.4 Canada Market Size and Forecast (2021-2032)
 - 7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

- 8.1 Europe Medical Polymer Coatings Sales Quantity by Type (2021-2032)
- 8.2 Europe Medical Polymer Coatings Sales Quantity by Application (2021-2032)
- 8.3 Europe Medical Polymer Coatings Market Size by Country
 - 8.3.1 Europe Medical Polymer Coatings Sales Quantity by Country (2021-2032)
 - 8.3.2 Europe Medical Polymer Coatings Consumption Value by Country (2021-2032)
 - 8.3.3 Germany Market Size and Forecast (2021-2032)
 - 8.3.4 France Market Size and Forecast (2021-2032)
 - 8.3.5 United Kingdom Market Size and Forecast (2021-2032)
 - 8.3.6 Russia Market Size and Forecast (2021-2032)
 - 8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Medical Polymer Coatings Sales Quantity by Type (2021-2032)
- 9.2 Asia-Pacific Medical Polymer Coatings Sales Quantity by Application (2021-2032)
- 9.3 Asia-Pacific Medical Polymer Coatings Market Size by Region
 - 9.3.1 Asia-Pacific Medical Polymer Coatings Sales Quantity by Region (2021-2032)
 - 9.3.2 Asia-Pacific Medical Polymer Coatings Consumption Value by Region (2021-2032)
 - 9.3.3 China Market Size and Forecast (2021-2032)
 - 9.3.4 Japan Market Size and Forecast (2021-2032)
 - 9.3.5 South Korea Market Size and Forecast (2021-2032)
 - 9.3.6 India Market Size and Forecast (2021-2032)
 - 9.3.7 Southeast Asia Market Size and Forecast (2021-2032)
 - 9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Medical Polymer Coatings Sales Quantity by Type (2021-2032)

10.2 South America Medical Polymer Coatings Sales Quantity by Application (2021-2032)

10.3 South America Medical Polymer Coatings Market Size by Country

10.3.1 South America Medical Polymer Coatings Sales Quantity by Country (2021-2032)

10.3.2 South America Medical Polymer Coatings Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Medical Polymer Coatings Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Medical Polymer Coatings Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Medical Polymer Coatings Market Size by Country

11.3.1 Middle East & Africa Medical Polymer Coatings Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Medical Polymer Coatings Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Medical Polymer Coatings Market Drivers

12.2 Medical Polymer Coatings Market Restraints

12.3 Medical Polymer Coatings Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Medical Polymer Coatings and Key Manufacturers

13.2 Manufacturing Costs Percentage of Medical Polymer Coatings

13.3 Medical Polymer Coatings Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Medical Polymer Coatings Typical Distributors

14.3 Medical Polymer Coatings Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. Global Medical Polymer Coatings Consumption Value by Type, (USD Million), 2021 & 2025 & 2032
- Table 2. Global Medical Polymer Coatings Consumption Value by Coating Function, (USD Million), 2021 & 2025 & 2032
- Table 3. Global Medical Polymer Coatings Consumption Value by Application Method, (USD Million), 2021 & 2025 & 2032
- Table 4. Global Medical Polymer Coatings Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Table 5. DSM Biomedical Basic Information, Manufacturing Base and Competitors
- Table 6. DSM Biomedical Major Business
- Table 7. DSM Biomedical Medical Polymer Coatings Product and Services
- Table 8. DSM Biomedical Medical Polymer Coatings Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 9. DSM Biomedical Recent Developments/Updates
- Table 10. Surmodics Basic Information, Manufacturing Base and Competitors
- Table 11. Surmodics Major Business
- Table 12. Surmodics Medical Polymer Coatings Product and Services
- Table 13. Surmodics Medical Polymer Coatings Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 14. Surmodics Recent Developments/Updates
- Table 15. Specialty Coating Systems (SCS) Basic Information, Manufacturing Base and Competitors
- Table 16. Specialty Coating Systems (SCS) Major Business
- Table 17. Specialty Coating Systems (SCS) Medical Polymer Coatings Product and Services
- Table 18. Specialty Coating Systems (SCS) Medical Polymer Coatings Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 19. Specialty Coating Systems (SCS) Recent Developments/Updates
- Table 20. Biocoat Basic Information, Manufacturing Base and Competitors
- Table 21. Biocoat Major Business
- Table 22. Biocoat Medical Polymer Coatings Product and Services
- Table 23. Biocoat Medical Polymer Coatings Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 24. Biocoat Recent Developments/Updates

- Table 25. Coatings2Go Basic Information, Manufacturing Base and Competitors
- Table 26. Coatings2Go Major Business
- Table 27. Coatings2Go Medical Polymer Coatings Product and Services
- Table 28. Coatings2Go Medical Polymer Coatings Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 29. Coatings2Go Recent Developments/Updates
- Table 30. Thermal Spray Technologies Basic Information, Manufacturing Base and Competitors
- Table 31. Thermal Spray Technologies Major Business
- Table 32. Thermal Spray Technologies Medical Polymer Coatings Product and Services
- Table 33. Thermal Spray Technologies Medical Polymer Coatings Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 34. Thermal Spray Technologies Recent Developments/Updates
- Table 35. Hydromer Basic Information, Manufacturing Base and Competitors
- Table 36. Hydromer Major Business
- Table 37. Hydromer Medical Polymer Coatings Product and Services
- Table 38. Hydromer Medical Polymer Coatings Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 39. Hydromer Recent Developments/Updates
- Table 40. Harland Medical Systems Basic Information, Manufacturing Base and Competitors
- Table 41. Harland Medical Systems Major Business
- Table 42. Harland Medical Systems Medical Polymer Coatings Product and Services
- Table 43. Harland Medical Systems Medical Polymer Coatings Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 44. Harland Medical Systems Recent Developments/Updates
- Table 45. AST Products Basic Information, Manufacturing Base and Competitors
- Table 46. AST Products Major Business
- Table 47. AST Products Medical Polymer Coatings Product and Services
- Table 48. AST Products Medical Polymer Coatings Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 49. AST Products Recent Developments/Updates
- Table 50. Precision Coating Basic Information, Manufacturing Base and Competitors
- Table 51. Precision Coating Major Business
- Table 52. Precision Coating Medical Polymer Coatings Product and Services
- Table 53. Precision Coating Medical Polymer Coatings Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share

(2021-2026)

Table 54. Precision Coating Recent Developments/Updates

Table 55. Surface Solutions Group Basic Information, Manufacturing Base and Competitors

Table 56. Surface Solutions Group Major Business

Table 57. Surface Solutions Group Medical Polymer Coatings Product and Services

Table 58. Surface Solutions Group Medical Polymer Coatings Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 59. Surface Solutions Group Recent Developments/Updates

Table 60. ISurTec Basic Information, Manufacturing Base and Competitors

Table 61. ISurTec Major Business

Table 62. ISurTec Medical Polymer Coatings Product and Services

Table 63. ISurTec Medical Polymer Coatings Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 64. ISurTec Recent Developments/Updates

Table 65. Whitford Basic Information, Manufacturing Base and Competitors

Table 66. Whitford Major Business

Table 67. Whitford Medical Polymer Coatings Product and Services

Table 68. Whitford Medical Polymer Coatings Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 69. Whitford Recent Developments/Updates

Table 70. AdvanSource Biomaterials Basic Information, Manufacturing Base and Competitors

Table 71. AdvanSource Biomaterials Major Business

Table 72. AdvanSource Biomaterials Medical Polymer Coatings Product and Services

Table 73. AdvanSource Biomaterials Medical Polymer Coatings Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 74. AdvanSource Biomaterials Recent Developments/Updates

Table 75. Jiangsu Biosurf Biotech Basic Information, Manufacturing Base and Competitors

Table 76. Jiangsu Biosurf Biotech Major Business

Table 77. Jiangsu Biosurf Biotech Medical Polymer Coatings Product and Services

Table 78. Jiangsu Biosurf Biotech Medical Polymer Coatings Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Jiangsu Biosurf Biotech Recent Developments/Updates

Table 80. jMedtech Basic Information, Manufacturing Base and Competitors

Table 81. jMedtech Major Business

Table 82. jMedtech Medical Polymer Coatings Product and Services

Table 83. jMedtech Medical Polymer Coatings Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. jMedtech Recent Developments/Updates

Table 85. Global Medical Polymer Coatings Sales Quantity by Manufacturer (2021-2026) & (Kilotons)

Table 86. Global Medical Polymer Coatings Revenue by Manufacturer (2021-2026) & (USD Million)

Table 87. Global Medical Polymer Coatings Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 88. Market Position of Manufacturers in Medical Polymer Coatings, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 89. Head Office and Medical Polymer Coatings Production Site of Key Manufacturer

Table 90. Medical Polymer Coatings Market: Company Product Type Footprint

Table 91. Medical Polymer Coatings Market: Company Product Application Footprint

Table 92. Medical Polymer Coatings New Market Entrants and Barriers to Market Entry

Table 93. Medical Polymer Coatings Mergers, Acquisition, Agreements, and Collaborations

Table 94. Global Medical Polymer Coatings Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 95. Global Medical Polymer Coatings Sales Quantity by Region (2021-2026) & (Kilotons)

Table 96. Global Medical Polymer Coatings Sales Quantity by Region (2027-2032) & (Kilotons)

Table 97. Global Medical Polymer Coatings Consumption Value by Region (2021-2026) & (USD Million)

Table 98. Global Medical Polymer Coatings Consumption Value by Region (2027-2032) & (USD Million)

Table 99. Global Medical Polymer Coatings Average Price by Region (2021-2026) & (US\$/Ton)

Table 100. Global Medical Polymer Coatings Average Price by Region (2027-2032) & (US\$/Ton)

Table 101. Global Medical Polymer Coatings Sales Quantity by Type (2021-2026) & (Kilotons)

Table 102. Global Medical Polymer Coatings Sales Quantity by Type (2027-2032) & (Kilotons)

Table 103. Global Medical Polymer Coatings Consumption Value by Type (2021-2026)

& (USD Million)

Table 104. Global Medical Polymer Coatings Consumption Value by Type (2027-2032)

& (USD Million)

Table 105. Global Medical Polymer Coatings Average Price by Type (2021-2026) & (US\$/Ton)

Table 106. Global Medical Polymer Coatings Average Price by Type (2027-2032) & (US\$/Ton)

Table 107. Global Medical Polymer Coatings Sales Quantity by Application (2021-2026) & (Kilotons)

Table 108. Global Medical Polymer Coatings Sales Quantity by Application (2027-2032) & (Kilotons)

Table 109. Global Medical Polymer Coatings Consumption Value by Application (2021-2026) & (USD Million)

Table 110. Global Medical Polymer Coatings Consumption Value by Application (2027-2032) & (USD Million)

Table 111. Global Medical Polymer Coatings Average Price by Application (2021-2026) & (US\$/Ton)

Table 112. Global Medical Polymer Coatings Average Price by Application (2027-2032) & (US\$/Ton)

Table 113. North America Medical Polymer Coatings Sales Quantity by Type (2021-2026) & (Kilotons)

Table 114. North America Medical Polymer Coatings Sales Quantity by Type (2027-2032) & (Kilotons)

Table 115. North America Medical Polymer Coatings Sales Quantity by Application (2021-2026) & (Kilotons)

Table 116. North America Medical Polymer Coatings Sales Quantity by Application (2027-2032) & (Kilotons)

Table 117. North America Medical Polymer Coatings Sales Quantity by Country (2021-2026) & (Kilotons)

Table 118. North America Medical Polymer Coatings Sales Quantity by Country (2027-2032) & (Kilotons)

Table 119. North America Medical Polymer Coatings Consumption Value by Country (2021-2026) & (USD Million)

Table 120. North America Medical Polymer Coatings Consumption Value by Country (2027-2032) & (USD Million)

Table 121. Europe Medical Polymer Coatings Sales Quantity by Type (2021-2026) & (Kilotons)

Table 122. Europe Medical Polymer Coatings Sales Quantity by Type (2027-2032) & (Kilotons)

Table 123. Europe Medical Polymer Coatings Sales Quantity by Application (2021-2026) & (Kilotons)

Table 124. Europe Medical Polymer Coatings Sales Quantity by Application (2027-2032) & (Kilotons)

Table 125. Europe Medical Polymer Coatings Sales Quantity by Country (2021-2026) & (Kilotons)

Table 126. Europe Medical Polymer Coatings Sales Quantity by Country (2027-2032) & (Kilotons)

Table 127. Europe Medical Polymer Coatings Consumption Value by Country (2021-2026) & (USD Million)

Table 128. Europe Medical Polymer Coatings Consumption Value by Country (2027-2032) & (USD Million)

Table 129. Asia-Pacific Medical Polymer Coatings Sales Quantity by Type (2021-2026) & (Kilotons)

Table 130. Asia-Pacific Medical Polymer Coatings Sales Quantity by Type (2027-2032) & (Kilotons)

Table 131. Asia-Pacific Medical Polymer Coatings Sales Quantity by Application (2021-2026) & (Kilotons)

Table 132. Asia-Pacific Medical Polymer Coatings Sales Quantity by Application (2027-2032) & (Kilotons)

Table 133. Asia-Pacific Medical Polymer Coatings Sales Quantity by Region (2021-2026) & (Kilotons)

Table 134. Asia-Pacific Medical Polymer Coatings Sales Quantity by Region (2027-2032) & (Kilotons)

Table 135. Asia-Pacific Medical Polymer Coatings Consumption Value by Region (2021-2026) & (USD Million)

Table 136. Asia-Pacific Medical Polymer Coatings Consumption Value by Region (2027-2032) & (USD Million)

Table 137. South America Medical Polymer Coatings Sales Quantity by Type (2021-2026) & (Kilotons)

Table 138. South America Medical Polymer Coatings Sales Quantity by Type (2027-2032) & (Kilotons)

Table 139. South America Medical Polymer Coatings Sales Quantity by Application (2021-2026) & (Kilotons)

Table 140. South America Medical Polymer Coatings Sales Quantity by Application (2027-2032) & (Kilotons)

Table 141. South America Medical Polymer Coatings Sales Quantity by Country (2021-2026) & (Kilotons)

Table 142. South America Medical Polymer Coatings Sales Quantity by Country

(2027-2032) & (Kilotons)

Table 143. South America Medical Polymer Coatings Consumption Value by Country (2021-2026) & (USD Million)

Table 144. South America Medical Polymer Coatings Consumption Value by Country (2027-2032) & (USD Million)

Table 145. Middle East & Africa Medical Polymer Coatings Sales Quantity by Type (2021-2026) & (Kilotons)

Table 146. Middle East & Africa Medical Polymer Coatings Sales Quantity by Type (2027-2032) & (Kilotons)

Table 147. Middle East & Africa Medical Polymer Coatings Sales Quantity by Application (2021-2026) & (Kilotons)

Table 148. Middle East & Africa Medical Polymer Coatings Sales Quantity by Application (2027-2032) & (Kilotons)

Table 149. Middle East & Africa Medical Polymer Coatings Sales Quantity by Country (2021-2026) & (Kilotons)

Table 150. Middle East & Africa Medical Polymer Coatings Sales Quantity by Country (2027-2032) & (Kilotons)

Table 151. Middle East & Africa Medical Polymer Coatings Consumption Value by Country (2021-2026) & (USD Million)

Table 152. Middle East & Africa Medical Polymer Coatings Consumption Value by Country (2027-2032) & (USD Million)

Table 153. Medical Polymer Coatings Raw Material

Table 154. Key Manufacturers of Medical Polymer Coatings Raw Materials

Table 155. Medical Polymer Coatings Typical Distributors

Table 156. Medical Polymer Coatings Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Medical Polymer Coatings Picture

Figure 2. Global Medical Polymer Coatings Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Medical Polymer Coatings Revenue Market Share by Type in 2025

Figure 4. Hydrophilic Examples

Figure 5. Antibacterial Examples

Figure 6. Anticoagulant Examples

Figure 7. Others Examples

Figure 8. Global Medical Polymer Coatings Revenue by Coating Function, (USD Million), 2021 & 2025 & 2032

Figure 9. Global Medical Polymer Coatings Revenue Market Share by Coating Function in 2025

Figure 10. Anti-bacterial Coating Examples

Figure 11. Drug-eluting Coating Examples

Figure 12. Biocompatible Coating Examples

Figure 13. Global Medical Polymer Coatings Revenue by Application Method, (USD Million), 2021 & 2025 & 2032

Figure 14. Global Medical Polymer Coatings Revenue Market Share by Application Method in 2025

Figure 15. Dip Coating Examples

Figure 16. Spray Coating Examples

Figure 17. Electrostatic Coating Examples

Figure 18. Global Medical Polymer Coatings Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 19. Global Medical Polymer Coatings Revenue Market Share by Application in 2025

Figure 20. Catheter Examples

Figure 21. Stent Delivery System Examples

Figure 22. Guide Wire Examples

Figure 23. Others Examples

Figure 24. Global Medical Polymer Coatings Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 25. Global Medical Polymer Coatings Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 26. Global Medical Polymer Coatings Sales Quantity (2021-2032) & (Kilotons)

- Figure 27. Global Medical Polymer Coatings Price (2021-2032) & (US\$/Ton)
- Figure 28. Global Medical Polymer Coatings Sales Quantity Market Share by Manufacturer in 2025
- Figure 29. Global Medical Polymer Coatings Revenue Market Share by Manufacturer in 2025
- Figure 30. Producer Shipments of Medical Polymer Coatings by Manufacturer Sales (\$MM) and Market Share (%): 2025
- Figure 31. Top 3 Medical Polymer Coatings Manufacturer (Revenue) Market Share in 2025
- Figure 32. Top 6 Medical Polymer Coatings Manufacturer (Revenue) Market Share in 2025
- Figure 33. Global Medical Polymer Coatings Sales Quantity Market Share by Region (2021-2032)
- Figure 34. Global Medical Polymer Coatings Consumption Value Market Share by Region (2021-2032)
- Figure 35. North America Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)
- Figure 36. Europe Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)
- Figure 37. Asia-Pacific Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)
- Figure 38. South America Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)
- Figure 39. Middle East & Africa Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)
- Figure 40. Global Medical Polymer Coatings Sales Quantity Market Share by Type (2021-2032)
- Figure 41. Global Medical Polymer Coatings Consumption Value Market Share by Type (2021-2032)
- Figure 42. Global Medical Polymer Coatings Average Price by Type (2021-2032) & (US\$/Ton)
- Figure 43. Global Medical Polymer Coatings Sales Quantity Market Share by Application (2021-2032)
- Figure 44. Global Medical Polymer Coatings Revenue Market Share by Application (2021-2032)
- Figure 45. Global Medical Polymer Coatings Average Price by Application (2021-2032) & (US\$/Ton)
- Figure 46. North America Medical Polymer Coatings Sales Quantity Market Share by Type (2021-2032)

Figure 47. North America Medical Polymer Coatings Sales Quantity Market Share by Application (2021-2032)

Figure 48. North America Medical Polymer Coatings Sales Quantity Market Share by Country (2021-2032)

Figure 49. North America Medical Polymer Coatings Consumption Value Market Share by Country (2021-2032)

Figure 50. United States Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 51. Canada Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 52. Mexico Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 53. Europe Medical Polymer Coatings Sales Quantity Market Share by Type (2021-2032)

Figure 54. Europe Medical Polymer Coatings Sales Quantity Market Share by Application (2021-2032)

Figure 55. Europe Medical Polymer Coatings Sales Quantity Market Share by Country (2021-2032)

Figure 56. Europe Medical Polymer Coatings Consumption Value Market Share by Country (2021-2032)

Figure 57. Germany Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 58. France Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 59. United Kingdom Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 60. Russia Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 61. Italy Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 62. Asia-Pacific Medical Polymer Coatings Sales Quantity Market Share by Type (2021-2032)

Figure 63. Asia-Pacific Medical Polymer Coatings Sales Quantity Market Share by Application (2021-2032)

Figure 64. Asia-Pacific Medical Polymer Coatings Sales Quantity Market Share by Region (2021-2032)

Figure 65. Asia-Pacific Medical Polymer Coatings Consumption Value Market Share by Region (2021-2032)

Figure 66. China Medical Polymer Coatings Consumption Value (2021-2032) & (USD

Million)

Figure 67. Japan Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 68. South Korea Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 69. India Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 70. Southeast Asia Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 71. Australia Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 72. South America Medical Polymer Coatings Sales Quantity Market Share by Type (2021-2032)

Figure 73. South America Medical Polymer Coatings Sales Quantity Market Share by Application (2021-2032)

Figure 74. South America Medical Polymer Coatings Sales Quantity Market Share by Country (2021-2032)

Figure 75. South America Medical Polymer Coatings Consumption Value Market Share by Country (2021-2032)

Figure 76. Brazil Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 77. Argentina Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 78. Middle East & Africa Medical Polymer Coatings Sales Quantity Market Share by Type (2021-2032)

Figure 79. Middle East & Africa Medical Polymer Coatings Sales Quantity Market Share by Application (2021-2032)

Figure 80. Middle East & Africa Medical Polymer Coatings Sales Quantity Market Share by Country (2021-2032)

Figure 81. Middle East & Africa Medical Polymer Coatings Consumption Value Market Share by Country (2021-2032)

Figure 82. Turkey Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 83. Egypt Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 84. Saudi Arabia Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

Figure 85. South Africa Medical Polymer Coatings Consumption Value (2021-2032) & (USD Million)

- Figure 86. Medical Polymer Coatings Market Drivers
- Figure 87. Medical Polymer Coatings Market Restraints
- Figure 88. Medical Polymer Coatings Market Trends
- Figure 89. Porters Five Forces Analysis
- Figure 90. Manufacturing Cost Structure Analysis of Medical Polymer Coatings in 2025
- Figure 91. Manufacturing Process Analysis of Medical Polymer Coatings
- Figure 92. Medical Polymer Coatings Industrial Chain
- Figure 93. Sales Channel: Direct to End-User vs Distributors
- Figure 94. Direct Channel Pros & Cons
- Figure 95. Indirect Channel Pros & Cons
- Figure 96. Methodology
- Figure 97. Research Process and Data Source

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