

Global Medical Catheter Lubricating Coating Market Growth 2026-2032

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Abstracts

The global Medical Catheter Lubricating Coating market size is predicted to grow from US\$ 185 million in 2025 to US\$ 269 million in 2032; it is expected to grow at a CAGR of 5.6% from 2026 to 2032.

In 2025, global medical catheter lubricating coating production reached approximately 420 tons, with an average global market price of around US\$450 per kilogram. In 2025, the global 's total production capacity of medical catheter lubricating coating reached 520 tons. The industry average gross profit margin of this product reached 28%. Medical catheter lubricating coatings are ultra-low friction, highly hydrophilic functional polymer films formed on the surfaces of vascular interventional catheters, guidewires, sheaths, and other minimally invasive medical devices through physical adsorption, chemical bonding, or UV/thermal curing. Their core function is to significantly reduce the coefficient of friction (COF) when the device enters the blood vessels or cavities by absorbing water and swelling or forming an interfacial hydration layer. This reduces damage to the vascular wall, improves permeability and maneuverability, and lowers the risk of trauma and complications during interventional procedures. They are widely used in cardiovascular, neurointerventional, peripheral vascular, and urinary system catheter systems.

The medical catheter lubricating coating industry chain consists of upstream functional material and monomer suppliers, midstream coating technology and solution providers whose core competitiveness lies in formulation patents, interfacial bonding technology, and coating consistency control, and downstream medical catheter and interventional device manufacturers, ultimately applied in hospital interventional procedures. The industry chain also includes key equipment suppliers and regulatory certification and testing institutions, forming a highly regulated medical device materials ecosystem with

extremely high technological barriers.

With the continued rise in the global incidence of cardiovascular disease, stroke, and peripheral vascular disease, as well as the increasing proportion of minimally invasive interventional surgeries, the medical catheter lubrication coating market is in a stable growth phase. Demand is primarily driven by the reliance on 'low-trauma, high-controllability' catheter systems for more complex vascular pathways. Meanwhile, the development of PFAS replacement, anti-thrombotic functionalization, long-lasting lubrication retention technology, and multifunctional composite coatings further promotes product upgrades. In the future, the industry will evolve towards 'high durability, low particle shedding, controllable biocompatibility, and environmentally friendly fluorine-free' technologies, achieving higher penetration rates in neurointerventional, structural heart disease, and robotic interventional surgeries. It will maintain a high technological barrier and stable growth trajectory in the medical materials field in the long term.

United States market for Medical Catheter Lubricating Coating is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Medical Catheter Lubricating Coating is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Medical Catheter Lubricating Coating is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Medical Catheter Lubricating Coating players cover DSM-Firmenich, Surmodics, Harland Medical Systems, Biocoat, Teleflex Medical OEM, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

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

This Insight Report provides a comprehensive analysis of the global Medical Catheter

Lubricating Coating landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Medical Catheter Lubricating Coating portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Medical Catheter Lubricating Coating market.

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

This report presents a comprehensive overview, market shares, and growth opportunities of Medical Catheter Lubricating Coating market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Hydrophilic Lubricating Coating

Hydrophobic Lubricating Coating

Segmentation by Performance Specifications:

Ultra-low Friction Type (

Contents

1 SCOPE OF THE REPORT

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

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Medical Catheter Lubricating Coating Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for Medical Catheter Lubricating Coating by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for Medical Catheter Lubricating Coating by Country/Region, 2021, 2025 & 2032
- 2.2 Medical Catheter Lubricating Coating Segment by Type
 - 2.2.1 Hydrophilic Lubricating Coating
 - 2.2.2 Hydrophobic Lubricating Coating
 - 2.2.3 Medical Catheter Lubricating Coating Sales by Type
 - 2.2.3.1 Global Medical Catheter Lubricating Coating Sales Market Share by Type (2021-2026)
 - 2.2.3.2 Global Medical Catheter Lubricating Coating Revenue and Market Share by Type (2021-2026)
 - 2.2.3.3 Global Medical Catheter Lubricating Coating Sale Price by Type (2021-2026)
- 2.3 Medical Catheter Lubricating Coating Segment by Performance Specifications
 - 2.3.1 Ultra-low Friction Type (

List Of Tables

LIST OF TABLES

Table 1. Medical Catheter Lubricating Coating Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Medical Catheter Lubricating Coating Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Hydrophilic Lubricating Coating

Table 4. Major Players of Hydrophobic Lubricating Coating

Table 5. Global Medical Catheter Lubricating Coating Sales by Type (2021-2026) & (Tons)

Table 6. Global Medical Catheter Lubricating Coating Sales Market Share by Type (2021-2026)

Table 7. Global Medical Catheter Lubricating Coating Revenue by Type (2021-2026) & (\$ million)

Table 8. Global Medical Catheter Lubricating Coating Revenue Market Share by Type (2021-2026)

Table 9. Global Medical Catheter Lubricating Coating Sale Price by Type (2021-2026) & (US\$/kg)

Table 10. Major Players of Ultra-low Friction Type (

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Medical Catheter Lubricating Coating
- Figure 2. Medical Catheter Lubricating Coating Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Medical Catheter Lubricating Coating Sales Growth Rate 2021-2032 (Tons)
- Figure 7. Global Medical Catheter Lubricating Coating Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Medical Catheter Lubricating Coating Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Medical Catheter Lubricating Coating Sales Market Share by Country/Region (2025)
- Figure 10. Medical Catheter Lubricating Coating Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Hydrophilic Lubricating Coating
- Figure 12. Product Picture of Hydrophobic Lubricating Coating
- Figure 13. Global Medical Catheter Lubricating Coating Sales Market Share by Type in 2026
- Figure 14. Global Medical Catheter Lubricating Coating Revenue Market Share by Type (2021-2026)
- Figure 15. Product Picture of Ultra-low Friction Type (

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