

Europe Medical Polyethylene Market Size, Share & Trends Analysis Report By Application (Medical Tubing, Disposables, Medical Bags, Medical Implants, Containers, Drug Testing Equipment), By Country, And Segment Forecasts, 2022 - 2030

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Abstracts

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Europe Medical Polyethylene Market Growth & Trends

The Europe medical polyethylene market size is expected to reach USD 624.27 million by 2030, according to a new report by Grand View Research, Inc. The market is expected to expand at a CAGR of 6.9% from 2022 to 2030. Increasing demand from the medical industry is anticipated to fuel the demand for medical-grade polyethylene. Polyethylene is widely used in the medical industry as it provides a low coefficient of friction, excellent chemical resistance, and good impact resistance. It caters to applications including medical implants, medical containers, and drug testing equipment.

The presence of moderate key polyethylene manufacturers is anticipated to create significant demand for medical-grade polyethylene. Furthermore, increasing demand from the medical industry is anticipated to boost the demand for medical-grade polyethylene. In addition, due to the excellent properties of polyethylene, it is ideal for use in medical products and also caters to various industries including automotive, agriculture, medical, and infrastructure.

Ethylene (C₂H₄) is the raw material required for manufacturing polyethylene. Advantages of using polyethylene include enhanced protection, high adaptability,

lightweight, economic, durability, excellent rigidity, superior flexibility, and easy recyclability. The medical end-use industry has witnessed high consumption of HDPE and LDPE owing to their high melting point, high density, good resistance to alcohol, dilute acids and alkalis, low-cost polymer with good processability, excellent electrical insulation, very low water absorption, good impact strength, and FDA compliance.

Europe Medical Polyethylene Market Report Highlights

The medical tubing application segment accounted for the largest revenue share of over 20.0% in 2021 and is further expected to witness prominent growth over the forecast period

In 2021, the U.K. led the European market and accounted for a revenue share of more than 25.0%. Changing medical needs in the U.K., coupled with the increased spending capacities of consumers, are expected to drive the demand for polyethylene in the country over the forecast period. Growing demand for lightweight, cost-effective, and efficient materials for the manufacturing of medical applications is expected to positively impact the market growth over the coming years

Major players are continuously working on expanding manufacturing capabilities with the rise in demand from the medical industry. In March 2021, Celanese Corporation planned to build a new ultra-high-molecular-weight polyethylene (UHMWPE) facility in Europe. This facility was expected to support growth in its high-value GUR engineered materials portfolio. The expansion is expected to begin in 2024 with an annual production capacity of approximately 34,000 metric tons/year

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1 Research Methodology
- 1.2 Research scope and assumptions
- 1.3 Information Procurement
 - 1.3.1 Purchased Database
 - 1.3.2 GVR's Internal Database
 - 1.3.3 Secondary Sources
 - 1.3.4 Third-Party Perspective
 - 1.3.5 Primary Research
- 1.4 Information Analysis
 - 1.4.1 Data Analysis Models
- 1.5 Market Formulation and Data Visualization
- 1.6 Data Validation and Publishing
- 1.7 List of Abbreviations

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1 Market Summary
- 2.2 Segmental Outlook

CHAPTER 3. EUROPE MEDICAL POLYETHYLENE MARKET VARIABLES, TRENDS, & SCOPE

- 3.1 Market Lineage Outlook
 - 3.1.1 Polyethylene Market Outlook
- 3.2 Europe Medical Polyethylene Market - Penetration & Growth Prospect Mapping
- 3.3 Europe Medical Polyethylene Market - Industry Value Chain Analysis
 - 3.3.1 Raw Material Trends
 - 3.3.1.1 Ethylene
- 3.4 Regulatory Framework
 - 3.4.1 Standards & Compliances
 - 3.4.2 Safety
 - 3.4.2.1 Hazards Identification
 - 3.4.2.1.1 Classification of the substance or mixture
 - 3.4.2.1.2 Label elements
 - 3.4.2.1.3 Other hazards

- 3.4.2.2 First-Aid Measures
 - 3.4.2.2.1 Description of first-aid measures
 - 3.4.2.2.2 Most important symptoms and effects, both acute and delayed
 - 3.4.2.2.3 Indication of any immediate medical attention and special treatment needed
- 3.4.2.3 Fire-Fighting Measures
 - 3.4.2.3.1 Extinguishing media
 - 3.4.2.3.2 Special hazards arising from the substance or mixture
 - 3.4.2.3.3 Advice for firefighters
- 3.4.2.4 Accidental release measures
- 3.4.2.5 Environmental precautions
 - 3.4.2.5.1 Methods and materials for containment and cleaning up
- 3.5 Europe Medical Polyethylene Market-Market Dynamics
 - 3.5.1 Market Driver Analysis
 - 3.5.1.1 Rising Hip Replacement Surgeries in Europe
 - 3.5.1.2 Rise in healthcare expenditure across Europe
 - 3.5.2 Market Restraint Analysis
 - 3.5.2.1 Stringent government regulations
 - 3.5.3 Market Opportunity analysis
 - 3.5.3.1 Increasing COVID cases in Europe
 - 3.5.4 Market Challenge analysis
 - 3.5.4.1 Use of other plastic polymers, bioplastics, and other alternative materials in medical applications
- 3.5.1 Porter's Five Force Analysis
- 3.5.2 PESTEL Analysis

CHAPTER 4. EUROPE MEDICAL POLYETHYLENE MARKET: APPLICATION ESTIMATES & TREND ANALYSIS

- 4.1 Application Movement Analysis & Market Share
- 4.2 Medical Tubing
 - 4.2.1 Europe Medical Polyethylene Market Estimates and Forecast, By Application, 2019 - 2030 (Kilotons) (USD Million)
- 4.3 Disposables
 - 4.3.1 Europe Medical Polyethylene Market Estimates and Forecast, By Application, 2019 - 2030 (Kilotons) (USD Million)
- 4.4 Medical Bags
 - 4.4.1 Europe Medical Polyethylene Market Estimates and Forecast, By Application, 2019 - 2030 (Kilotons) (USD Million)

4.5 Medical Implants

4.5.1 Europe Medical Polyethylene Market Estimates and Forecast, By Application, 2019 - 2030 (Kilotons) (USD Million)

4.6 Containers

4.6.1 Europe Medical Polyethylene Market Estimates and Forecast, By Application, 2019 - 2030 (Kilotons) (USD Million)

4.7 Drug Testing Equipment

4.7.1 Europe Medical Polyethylene Market Estimates and Forecast, By Application, 2019 - 2030 (Kilotons) (USD Million)

4.8 Others

4.8.1 Europe Medical Polyethylene Market Estimates and Forecast, By Application, 2019 - 2030 (Kilotons) (USD Million)

CHAPTER 5. EUROPE MEDICAL POLYETHYLENE MARKET: COUNTRY ESTIMATES & TREND ANALYSIS

5.1 Europe Medical Polyethylene Market: Country Movement Analysis

5.2 Europe

5.2.1 Europe medical polyethylene market estimates and forecasts, 2019 - 2030 (Kilotons) (USD Million)

5.2.2 Europe medical polyethylene Market estimates and forecasts, by application, 2019 - 2030 (Kilotons) (USD Million)

5.2.3 Germany

5.2.3.1 Germany medical polyethylene market estimates and forecasts, 2019 - 2030 (Kilotons) (USD Million)

5.2.3.2 Germany medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons) (USD Million)

5.2.4 U.K.

5.2.4.1 U.K. medical polyethylene market estimates and forecasts, 2019 - 2030 (Kilotons) (USD Million)

5.2.4.2 U.K. medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons) (USD Million)

5.2.5 France

5.2.5.1 France medical plastics market estimates and forecasts, 2019 - 2030 (Kilotons) (USD Million)

5.2.5.2 France medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons) (USD Million)

5.2.6 Italy

5.2.6.1 Italy medical plastics market estimates and forecasts, 2019 - 2030 (Kilotons)

(USD Million)

5.2.6.2 Italy medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons) (USD Million)

5.2.7 Spain

5.2.7.1 Spain medical plastics market estimates and forecasts, 2019 - 2030 (Kilotons) (USD Million)

5.2.7.2 Spain medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons) (USD Million)

5.2.8 Portugal

5.2.8.1 Portugal medical plastics market estimates and forecasts, 2019 - 2030 (Kilotons) (USD Million)

5.2.8.2 Portugal medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons) (USD Million)

CHAPTER 6. COMPETITIVE LANDSCAPE

6.1 Key Company/Competition Categorization

6.2 Vendor Landscape

6.2.1 List of Key Distributors & Channel Partners

6.2.2 List of End Users

6.3 List of Potential Medical Polyethylene Consumer

6.4 Public & Private Companies

6.4.1 Competitive Dashboard Analysis

CHAPTER 7. COMPANY PROFILES

7.1 Tekni-Plex, Inc.

7.1.1 Company Overview

7.1.2 Product Benchmarking

7.2 Dow Inc.

7.2.1 Company Overview

7.2.2 Financial Performance

7.2.3 Product Benchmarking

7.2.4 Strategic Initiatives

7.3 SABIC

7.3.1 Company Overview

7.3.2 Financial Performance

7.3.3 Product Benchmarking

7.4 Celanese Corporation

- 7.4.1 Company Overview
- 7.4.2 Financial Performance
- 7.4.3 Product Benchmarking
- 7.4.4 Strategic Initiatives
- 7.5 Orthoplastics Ltd.
 - 7.5.1 Company Overview
 - 7.5.2 Product Benchmarking
- 7.6 LyondellBasell Industries Holdings B.V.
 - 7.6.1 Company Overview
 - 7.6.2 Financial Performance
 - 7.6.3 Product Benchmarking
- 7.7 Biesterfeld AG
 - 7.7.1 Company Overview
 - 7.7.2 Product Benchmarking
- 7.8 Exxon Mobil Corporation
 - 7.8.1 Financial Performance
 - 7.8.2 Product Benchmarking

List Of Tables

LIST OF TABLES

Table 1 List of Abbreviations

Table 2 Europe medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons) (USD Million)

Table 3 Europe medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons) (USD Million)

Table 4 Europe medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons) (USD Million)

Table 5 Europe medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons) (USD Million)

Table 6 Europe medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons) (USD Million)

Table 7 Europe medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons) (USD Million)

Table 8 Europe medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons) (USD Million)

Table 9 Europe medical polyethylene market estimates and forecasts, 2019 - 2030 (Kilotons) (USD Million)

Table 10 Europe medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons)

Table 11 Europe medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (USD Million)

Table 12 Germany medical polyethylene market estimates and forecasts, 2019 - 2030 (Kilotons) (USD Million)

Table 13 Germany medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons)

Table 14 Germany medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (USD Million)

Table 15 U.K. medical polyethylene market estimates and forecasts, 2019 - 2030 (Kilotons) (USD Million)

Table 16 U.K. medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons)

Table 17 U.K. medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (USD Million)

Table 18 France medical plastics market estimates and forecasts, 2019 - 2030 (Kilotons) (USD Million)

Table 19 France medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons)

Table 20 France medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (USD Million)

Table 21 Italy medical plastics market estimates and forecasts, 2019 - 2030 (Kilotons) (USD Million)

Table 22 Italy medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons)

Table 23 Italy medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (USD Million)

Table 24 Spain medical plastics market estimates and forecasts, 2019 - 2030 (Kilotons) (USD Million)

Table 25 Spain medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons)

Table 26 Spain medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (USD Million)

Table 27 Portugal medical plastics market estimates and forecasts, 2019 - 2030 (Kilotons) (USD Million)

Table 28 Portugal medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (Kilotons)

Table 29 Portugal medical polyethylene market estimates and forecasts, by application, 2019 - 2030 (USD Million)

List Of Figures

LIST OF FIGURES

- Fig. 1 Information procurement
- Fig. 2 Primary research pattern
- Fig. 3 Primary Research Process
- Fig. 4 Market research approaches - Bottom-Up Approach
- Fig. 5 Market research approaches - Top-Down Approach
- Fig. 6 Market research approaches - Combined Approach
- Fig. 7 Europe Medical Polyethylene: Market Snapshot, 2021 (USD Million)
- Fig. 8 Europe Medical Polyethylene Market: Market Segmentation
- Fig. 9 Europe Medical Polyethylene Market: Penetration & Growth Prospect Mapping
- Fig. 10 Europe Medical Polyethylene Market: Industry Value Chain Analysis
- Fig. 11 Hip Joint Replacement Surgeries Statistics, (2019 & 2021)
- Fig. 12 Porters Five Forces Analysis: Europe Medical Polyethylene Market
- Fig. 13 PESTEL Analysis: Europe Medical Polyethylene Market
- Fig. 14 Europe Medical Polyethylene Market: Application movement analysis, 2021 & 2030
- Fig. 15 Europe Medical Polyethylene Market: Country movement analysis, 2021 & 2030
- Fig. 16 Europe Medical Polyethylene Market: Competitive Dashboard Analysis

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