

Europe Microplastic Recycling Market Size study, by Product Type (Primary Microplastics and Secondary Microplastics), by End-use (Personal Care, Packaging, Construction, Automotive and Others) and Country Forecasts 2022-2032

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Abstracts

Europe Microplastic Recycling Market is valued approximately at USD 117.48 million in 2023 and is anticipated to grow with a healthy growth rate of more than 6.98% over the forecast period 2024-2032. Microplastic Recycling refers to the segment of the recycling industry focused on recovering and processing microplastic particles, which are plastic fragments smaller than 5 millimeters in size, from various sources such as waterways, industrial effluents, and consumer products. This market encompasses technologies and processes aimed at effectively capturing, sorting, and recycling these tiny plastic particles to prevent environmental pollution and promote a circular economy.

In recent years, the European microplastic recycling market has experienced significant growth driven by escalating concerns about plastic pollution and its adverse impacts on ecosystems, wildlife, and human health. Governments, environmental organizations, and consumers are increasingly recognizing the urgency of addressing microplastic pollution, leading to a surge in demand for innovative recycling solutions within the microplastic recycling market. As a result, there's a growing trend towards research and development of advanced technologies, implementation of stringent regulations, and collaboration among stakeholders to tackle the challenge of microplastic pollution effectively. For instance, The European Commission has implemented a prohibition on crumb rubber infill, aligning it with the ban on deliberately added microplastics. This measure aims to address apprehensions surrounding the utilization of crumb rubber in sports fields, primarily focusing on concerns related to polycyclic aromatic hydrocarbon (PAH) content. Despite efforts to reduce PAH levels, subsequent studies unveiled

persistently elevated concentrations, prompting intensified scrutiny. The Risk Assessment Committee (RAC) of the European Chemicals Agency broadened the classification of microplastics to encompass any polymer measuring less than 5mm, thereby including the majority of crumb rubber infill within its scope. However, inadequate infrastructure and technological limitations, on the other hand, will stifle market growth between 2022 and 2032.

The key countries considered for the Europe Microplastic Recycling market study includes UK, Germany, France, Italy, Spain, and Rest of Europe. In 2023, Germany leads in microplastic recycling, holding largest share due to its robust research culture, advanced recycling infrastructure, stringent environmental regulations, government support, industry collaboration, public awareness, and an export-oriented economy. The country's investment in research and innovation, coupled with well-established recycling facilities and collection schemes, provides a strong foundation for effective microplastic recycling initiatives. Stringent environmental standards incentivize businesses to innovate in sustainable practices, supported by government funding and incentives. Collaborative efforts between industry, research institutions, and government agencies accelerate the development and adoption of microplastic recycling technologies. German society's high environmental consciousness drives demand for sustainable solutions, further propelling the country's leadership in this field. Moreover, UK is projected to register fastest growth in the market.

Major market player included in this report are:

Agilyx Corporation
PureCycle Technologies
Loop Industries
Recycling Technologies
RES Polyflow LLC
Carbios S.A
BioCellection Inc
Plastic Energy
Newlight Technologies
Cynar Plc

The detailed segments and sub-segment of the market are explained below:

By Product type:

Primary Microplastics
Secondary Microplastics

By End-use:

Personal Care

Packaging

Construction

Automotive

Others

?

By Region:

Europe

UK

Germany

France

Spain

Italy

ROE

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. EUROPE MICROPLASTIC RECYCLING MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
 - 1.3.1. Inclusion & Exclusion
 - 1.3.2. Limitations
 - 1.3.3. Supply Side Analysis
 - 1.3.3.1. Availability
 - 1.3.3.2. Infrastructure
 - 1.3.3.3. Regulatory Environment
 - 1.3.3.4. Market Competition
 - 1.3.3.5. Economic Viability (Consumer's Perspective)
 - 1.3.4. Demand Side Analysis
 - 1.3.4.1. Regulatory frameworks
 - 1.3.4.2. Technological Advancements
 - 1.3.4.3. Environmental Considerations
 - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Europe Microplastic Recycling Market Size & Forecast (2022- 2032)
- 2.2. Regional Summary
- 2.3. Segmental Summary
 - 2.3.1. By Product Type
 - 2.3.2. By End-use
- 2.4. Key Trends
- 2.5. Recession Impact
- 2.6. Analyst Recommendation & Conclusion

CHAPTER 3. EUROPE MICROPLASTIC RECYCLING MARKET DYNAMICS

- 3.1. Market Drivers

- 3.2. Market Challenges
- 3.3. Market Opportunities

CHAPTER 4. EUROPE MICROPLASTIC RECYCLING MARKET: INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model
 - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
 - 4.2.1. Political
 - 4.2.2. Economic
 - 4.2.3. Social
 - 4.2.4. Technological
 - 4.2.5. Environmental
 - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. EUROPE MICROPLASTIC RECYCLING MARKET SIZE & FORECASTS BY PRODUCT TYPE 2022-2032

- 5.1. Primary Microplastics
- 5.2. Secondary Microplastics

CHAPTER 6. EUROPE MICROPLASTIC RECYCLING MARKET SIZE & FORECASTS BY END-USE 2022-2032

- 6.1. Personal Care
- 6.2. Packaging
- 6.3. Construction

6.4. Automotive

6.5. Others

CHAPTER 7. EUROPE MICROPLASTIC RECYCLING MARKET SIZE & FORECASTS BY COUNTRY 2022-2032

7.1. U.K. Microplastic Recycling Market

7.1.1. Product Type breakdown size & forecasts, 2022-2032

7.1.2. End-use breakdown size & forecasts, 2022-2032

7.2. Germany Microplastic Recycling Market

7.3. France Microplastic Recycling Market

7.4. Spain Microplastic Recycling Market

7.5. Italy Microplastic Recycling Market

7.6. Rest of Europe Microplastic Recycling Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

8.1. Key Company SWOT Analysis

8.1.1. Company

8.1.2. Company

8.1.3. Company

8.2. Top Market Strategies

8.3. Company Profiles

8.3.1. Agilyx Corporation

8.3.1.1. Key Information

8.3.1.2. Overview

8.3.1.3. Financial (Subject to Data Availability)

8.3.1.4. Product Summary

8.3.1.5. Market Strategies

8.3.2. PureCycle Technologies

8.3.3. Loop Industries

8.3.4. Recycling Technologies

8.3.5. RES Polyflow LLC

8.3.6. Carbios S.A

8.3.7. BioCellection Inc.

8.3.8. Plastic Energy

8.3.9. Newlight Technologies

8.3.10. Cynar Plc

CHAPTER 9. RESEARCH PROCESS

9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

9.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Europe Microplastic Recycling market, report scope

TABLE 2. Europe Microplastic Recycling market estimates & forecasts by Country
2022-2032 (USD Million)

TABLE 3. Europe Microplastic Recycling market estimates & forecasts by Product Type
2022-2032 (USD Million)

TABLE 4. Europe Microplastic Recycling market estimates & forecasts by End-use
2022-2032 (USD Million)

TABLE 5. Europe Microplastic Recycling market by segment, estimates & forecasts,
2022-2032 (USD Million)

TABLE 6. Europe Microplastic Recycling market by country, estimates & forecasts,
2022-2032 (USD Million)

TABLE 7. Europe Microplastic Recycling market by segment, estimates & forecasts,
2022-2032 (USD Million)

TABLE 8. Europe Microplastic Recycling market by country, estimates & forecasts,
2022-2032 (USD Million)

TABLE 9. Europe Microplastic Recycling market by segment, estimates & forecasts,
2022-2032 (USD Million)

TABLE 10. Europe Microplastic Recycling market by country, estimates & forecasts,
2022-2032 (USD Million)

TABLE 11. Europe Microplastic Recycling market by segment, estimates & forecasts,
2022-2032 (USD Million)

TABLE 12. Europe Microplastic Recycling market by country, estimates & forecasts,
2022-2032 (USD Million)

TABLE 13. Europe Microplastic Recycling market by segment, estimates & forecasts,
2022-2032 (USD Million) Europe Microplastic Recycling market by country, estimates &
forecasts, 2022-2032 (USD Million)

TABLE 14. UK Microplastic Recycling market estimates & forecasts, 2022-2032 (USD
Million)

TABLE 15. UK Microplastic Recycling market estimates & forecasts by segment
2022-2032 (USD Million)

TABLE 16. UK Microplastic Recycling market estimates & forecasts by segment
2022-2032 (USD Million)

TABLE 17. Germany Microplastic Recycling market estimates & forecasts, 2022-2032
(USD Million)

TABLE 18. Germany Microplastic Recycling market estimates & forecasts by segment

2022-2032 (USD Million)

TABLE 19. Germany Microplastic Recycling market estimates & forecasts by segment

2022-2032 (USD Million)

TABLE 20. France Microplastic Recycling market estimates & forecasts, 2022-2032

(USD Million)

TABLE 21. France Microplastic Recycling market estimates & forecasts by segment

2022-2032 (USD Million)

TABLE 22. France Microplastic Recycling market estimates & forecasts by segment

2022-2032 (USD Million)

TABLE 23. Italy Microplastic Recycling market estimates & forecasts, 2022-2032 (USD

Million)

TABLE 24. Italy Microplastic Recycling market estimates & forecasts by segment

2022-2032 (USD Million)

TABLE 25. Italy Microplastic Recycling market estimates & forecasts by segment

2022-2032 (USD Million)

TABLE 26. Spain Microplastic Recycling market estimates & forecasts, 2022-2032

(USD Million)

TABLE 27. Spain Microplastic Recycling market estimates & forecasts by segment

2022-2032 (USD Million)

TABLE 28. Spain Microplastic Recycling market estimates & forecasts by segment

2022-2032 (USD Million)

TABLE 29. RoE Microplastic Recycling market estimates & forecasts, 2022-2032 (USD

Million)

TABLE 30. RoE Microplastic Recycling market estimates & forecasts by segment

2022-2032 (USD Million)

TABLE 31. RoE Microplastic Recycling market estimates & forecasts by segment

2022-2032 (USD Million)

TABLE 32. List of secondary sources, used in the study of Europe Microplastic Recycling Market.

TABLE 33. List of primary sources, used in the study of Europe Microplastic Recycling Market.

TABLE 34. Years considered for the study.

TABLE 35. Exchange rates considered.

List Of Figures

LIST OF FIGURES

- FIG 1. Europe Microplastic Recycling market, research methodology
- FIG 2. Europe Microplastic Recycling market, market estimation techniques
- FIG 3. Europe market size estimates & forecast methods.
- FIG 4. Europe Microplastic Recycling market, key trends 2023
- FIG 5. Europe Microplastic Recycling market, growth prospects 2022-2032
- FIG 6. Europe Microplastic Recycling market, porters 5 force model
- FIG 7. Europe Microplastic Recycling market, pestel analysis
- FIG 8. Europe Microplastic Recycling market, value chain analysis
- FIG 9. Europe Microplastic Recycling market by segment, 2022 & 2032 (USD Million)
- FIG 10. Europe Microplastic Recycling market by segment, 2022 & 2032 (USD Million)
- FIG 11. Europe Microplastic Recycling market by segment, 2022 & 2032 (USD Million)
- FIG 12. Europe Microplastic Recycling market by segment, 2022 & 2032 (USD Million)
- FIG 13. Europe Microplastic Recycling market by segment, 2022 & 2032 (USD Million)
- FIG 14. Europe Microplastic Recycling market, Country snapshot 2022 & 2032
- FIG 15. Europe Microplastic Recycling market 2022 & 2032 (USD Million)
- FIG 16. Europe Microplastic Recycling market, company market share analysis (2023)

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