+357 96 030922
info@marketpublishers.com

# Global Mechanical Recycling of Plastics Market Size Study, by Product, Application, and Regional Forecasts 2022-2032

https://marketpublishers.com/r/G2DEBEA85914EN.html
Date: January 2025
Pages: 285
Price: US$ 3,218.00 (Single User License)
ID: G2DEBEA85914EN

## Abstracts

The Global Mechanical Recycling of Plastics Market is valued at approximately USD 35 billion in 2023 and is projected to grow at a CAGR of 9.36% over the forecast period 2024-2032. Mechanical recycling has established itself as an essential solution to combat the environmental challenges posed by plastic waste. By employing advanced processing methods to transform post-consumer and post-industrial plastic materials into high-quality recycled plastics, the process plays a pivotal role in promoting a circular economy. With rising global initiatives toward sustainable practices, mechanical recycling has garnered substantial interest across key industries, including packaging, automotive, building & construction, and textiles.

The market's growth is primarily driven by the surging demand for recycled plastics in the packaging industry, as manufacturers aim to meet stringent environmental regulations and reduce dependency on virgin materials. Notably, the increase in demand for polyethylene terephthalate (PET) and polypropylene (PP)—two widely recycled polymers—has spurred investments in advanced recycling infrastructure. Simultaneously, technological advancements in sorting, washing, and extrusion systems have improved the efficiency and quality of mechanically recycled plastics, enabling their use in high-value applications such as automotive components and consumer goods.

Despite the promising growth, the market faces significant challenges, including the complexity of recycling mixed plastics, contamination issues, and limited infrastructure in developing economies. Additionally, fluctuating raw material prices for virgin plastics often create market competition, deterring smaller recyclers. However, increasing policy support, such as extended producer responsibility (EPR) frameworks and mandatory

recycling targets, is expected to overcome these hurdles and drive adoption.

Key opportunities lie in expanding mechanical recycling capabilities in the building & construction and automotive sectors, where lightweight, durable materials are in high demand. With the push for carbon-neutral initiatives and growing consumer awareness, companies are focusing on producing high-performance recycled plastics with minimized environmental footprints. Moreover, advancements in innovative processing techniques, such as improved sorting technologies and high-purity output methods, are set to reshape the competitive landscape.

Regionally, Europe currently leads the mechanical recycling of plastics market due to stringent environmental regulations, such as the European Union’s Circular Economy Action Plan, which mandates the increased use of recycled materials. Asia-Pacific, led by China and India, is expected to witness the fastest growth during the forecast period, driven by rapid industrialization, government initiatives to reduce plastic waste, and the burgeoning packaging sector. Meanwhile, North America is witnessing increased investments in recycling facilities to meet the growing demand for sustainable plastics in sectors like food & beverage and consumer electronics. Latin America and the Middle East & Africa are emerging as promising regions, with growing public-private partnerships aimed at tackling plastic pollution.

The mechanical recycling of plastics market is poised for transformative growth, supported by industry-wide collaborations, technological breakthroughs, and increasing focus on sustainability goals. Leading players are investing in capacity expansion and innovative processing solutions to secure a competitive edge and meet rising global demand for eco-friendly plastic alternatives.

Major Market Players Included in this Report Are:

BASF SE

Veolia Environnement SA

Suez Environnement Company

Borealis AG

Waste Management, Inc.

+357 96 030922
info@marketpublishers.com

Plastipak Holdings, Inc.

Alpla Group

Indorama Ventures Public Company Limited

Berry Global Inc.

MBA Polymers Inc.

KW Plastics

Clean Tech Incorporated

Republic Services, Inc.

Remondis SE & Co. KG

Viridor Ltd

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

By Product:

Polyethylene (PE)

Polyethylene Terephthalate (PET)

Polypropylene (PP)

Polyvinyl Chloride (PVC)

Polystyrene

Others

By Application:

Packaging

Automotive

Building & Construction

Electrical & Electronics

Textiles

Others

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific:

China

India

Japan

Australia

South Korea

Rest of Asia-Pacific

Latin America:

Brazil

Mexico

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical Year – 2022

Base Year – 2023

Forecast Period – 2024 to 2032

Key Takeaways:

+357 96 030922
info@marketpublishers.com

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

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of geographical landscape with country-level insights across major regions.

Competitive landscape with in-depth information on major players.

Analysis of key business strategies and recommendations for future market approaches.

Analysis of competitive structure of the market.

Demand-side and supply-side analysis of the market.

+357 96 030922
info@marketpublishers.com

## Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com



**CHAPTER 9. RESEARCH PROCESS**



**12. LIST OF TABLES**

This list is not complete; final report does contain more than 100 tables. The list may be updated in the final deliverable.

**12. LIST OF FIGURES**

+357 96 030922
info@marketpublishers.com



This list is not complete; final report does contain more than 50 figures. The list may be updated in the final deliverable.

+357 96 030922
info@marketpublishers.com

## I would like to order

Product name: Global Mechanical Recycling of Plastics Market Size Study, by Product, Application, and Regional Forecasts 2022-2032

Product link: https://marketpublishers.com/r/G2DEBEA85914EN.html

Price: US$ 3,218.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G2DEBEA85914EN.html