

## **Post-Consumer Recycled Plastics Market by Source (Bottles, Non-bottle Rigid), Polymer Type, Processing Type (Mechanical, Chemical, Biological), End-use (Packaging, Building & Construction, Automotive, Electronics), and Region - Global Forecast to 2028**

Market Report | 2023-09-08 | 315 pages | MarketsandMarkets

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### **Report description:**

The post-consumer recycled plastics market is projected to grow from USD 62.1 billion in 2023 to USD 92.6 billion by 2028, at a CAGR of 8.3% from 2023 to 2028. Economic growth, rapid urbanization, and changing lifestyles have led to increased consumer waste generation, posing threats to the environment. Nonetheless, the awareness about waste management has increased significantly with the progress in consumer education and understanding of health and the environment. The growing population and the rising income levels have created new opportunities for the waste management market. Globally, new technologies have been developed, which have helped lower the amount of waste generated. The recycling of waste products, such as paper, plastic, and metal, reduces the production cost and contributes to the sustainable development of the environment.

"Non-bottle Rigid to be the second fastest growing source during the forecast period."

Non-bottle rigid plastics serve as a significant source of recycled plastics due to their prevalence in various applications beyond bottles. Items such as containers, packaging trays, and automotive parts contribute to the accumulation of discarded non-bottle rigid plastics. These materials, often composed of diverse polymer types, present challenges for recycling due to their complex structures. However, advancements in sorting technologies and recycling processes are enabling the recovery and reprocessing of non-bottle rigid plastics, reducing waste, and promoting sustainable practices across industries that rely on these versatile materials.

"The Polypropylene (PP) to be the fastest growing polymer type in the post-consumer recycled plastics market."

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PP (Polypropylene) stands as the fastest-growing polymer type in the post-consumer recycled plastics market due to its versatile applications, increased consumer demand for sustainable products, and expanding recycling capabilities. As industries recognize the potential of recycled PP in various sectors like packaging, automotive, and consumer goods, the demand for post-consumer recycled PP is surging. Moreover, advancements in recycling technologies are addressing the challenges associated with processing PP waste, making it increasingly viable for recovery and reintegration into the manufacturing cycle, thus propelling its rapid growth within the recycled plastics landscape.

"The mechanical processing holds the largest market share in the post-consumer recycled plastics market."

The mechanical recycling process offers distinct advantages in plastic recycling, including its energy efficiency, lower environmental impact, and preservation of polymer properties. Through sorting, cleaning, and reprocessing, mechanical recycling minimizes energy consumption compared to chemical methods, contributing to reduced carbon footprint. Additionally, this approach avoids introducing new chemicals and maintains the intrinsic characteristics of the polymer, enabling recycled plastics to retain their original quality and performance, making them suitable for various applications while promoting resource conservation and sustainable waste management practices.

"The building & construction application holds the second largest market share in post-consumer recycled plastics market."

The utilization of recycled plastics in building and construction applications is on the rise due to the sector's increasing emphasis on sustainability, resource efficiency, and waste reduction. Incorporating recycled plastics in construction materials offers advantages such as reduced reliance on virgin resources, decreased landfill waste, and potential energy savings during production. As the industry seeks eco-friendly solutions, recycled plastics find applications in products like insulation, roofing materials, and structural components, aligning with sustainable building practices and addressing environmental concerns associated with traditional construction materials.

"Europe is the second biggest market in post-consumer recycled plastics market."

The post-consumer recycled plastics market is experiencing growth in Europe due to the region's robust regulatory framework, environmental consciousness, and circular economy initiatives. Stricter regulations and targets for plastic waste reduction and recycling have accelerated the adoption of post-consumer recycled plastics by industries. European consumers' demand for sustainable products aligns with the increased availability of recycled plastics, leading to its integration across sectors like packaging, automotive, and electronics.

Extensive primary interviews were conducted to determine and verify the market size for several segments and sub-segments, and information was gathered through secondary research.

The break-up of primary interviews is given below:

-□By Company Type - Tier 1: 45%, Tier 2: 37%, and Tier 3: 18%

-□By Designation - C-Level: 54%, D-Level: 28%, and Others: 18%

-□By Region - North America: 20%, Europe: 20%, Asia Pacific: 25%, Middle East & Africa: 8%, and South America: 12%

Notes: \*Others include sales, marketing, and product managers.

Notes: Tier 1: >USD 5 Billion; Tier 2: USD 1 Billion- USD 5 Billion; and Tier 3: <USD 1 Billion

**Companies Covered:** The companies profiled in this market research report include Veolia Environnement SA (France), Suez SA (France), Waste Management, Inc. (US), Republic Services, Inc. (US), Waste Connections, Inc. (Canada), Biffa plc (UK), Clean Harbors, Inc. (US), Stericycle, Inc. (US), Remondis SE & Co. KG (Germany), DS Smith plc (UK), Plastipak Holdings Inc. (US), KW Plastics (US), MBA Polymers, Inc. (US), Jayplas (UK), Envision Plastics Industries LLC (US) and others.

**Research Coverage:**

The market study covers post-consumer recycled plastics across various segments. It aims to estimate the market size and the

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growth potential of this market across different segments based on source, polymer type, processing type, end-use application, and region. The study also includes an in-depth competitive analysis of key players in the market, their company profiles, key observations related to their products and business offerings, recent developments undertaken by them, and key growth strategies adopted by them to improve their position in the post-consumer recycled plastics market.

#### Key Benefits of Buying the Report

The report is expected to help the market leaders/new entrants in this market share the closest approximations of the revenue numbers of the overall post-consumer recycled plastics market and its segments and sub-segments. This report is projected to help stakeholders understand the competitive landscape of the market, gain insights to improve the position of their businesses and plan suitable go-to-market strategies. The report also aims to help stakeholders understand the pulse of the market and provides them with information on the key market drivers, challenges, and opportunities.

The report provides insights on the following pointers:

- Analysis of key drivers (stringent government regulations, awareness programs for sustainable waste management practices, growing urban population, and consumer preference for sustainable products), restraints (absence of framework for plastic waste collection and segregation, and lack of adequate recycling facilities) opportunities (rising demand for plastic waste management from emerging economies, and increasing R&D investments in plastic recycling technologies), and challenges (difficulty in managing supply chain) influencing the growth of the post-consumer recycled plastics market
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the post-consumer recycled plastics market
- Market Development: Comprehensive information about lucrative markets - the report analyses the post-consumer recycled plastics market across varied regions
- Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the post-consumer recycled plastics market
- Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like as Veolia Environnement SA (France), Suez SA (France), Waste Management, Inc. (US), Republic Services, Inc. (US), Waste Connections, Inc. (Canada), Biffa plc (UK), Clean Harbors, Inc. (US), Stericycle, Inc. (US), Remondis SE & Co. KG (Germany), DS Smith plc (UK), Plastipak Holdings Inc. (US), KW Plastics (US), MBA Polymers, Inc. (US), Jayplas (UK), Envision Plastics Industries LLC (US) among others in the post-consumer recycled plastics market.

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**Post-Consumer Recycled Plastics Market by Source (Bottles, Non-bottle Rigid),  
Polymer Type, Processing Type (Mechanical, Chemical, Biological), End-use  
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