

Global Post-consumer Recycled Plastics Market Size Study, by Source (Bottles, Non-bottle Rigid), by Type (Polyethylene, Polypropylene, Polyvinyl Chloride), and Regional Forecasts 2022-2032

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Abstracts

The Global Post-consumer Recycled Plastics Market was valued at approximately USD 10.67 billion in 2023 and is anticipated to expand at a CAGR of 10.40% over the forecast period 2024-2032. The escalating environmental concerns and the increasing global emphasis on sustainable plastic solutions have driven the demand for post-consumer recycled (PCR) plastics. Industries worldwide are integrating PCR plastics into packaging, consumer goods, automotive components, and construction materials as part of their sustainability commitments. Regulatory frameworks encouraging circular economy initiatives and bans on single-use plastics have further reinforced the necessity for incorporating recycled content into various end-use applications.

Manufacturers are increasingly adopting advanced recycling technologies, such as chemical recycling and enhanced sorting methods, to improve the quality and efficiency of PCR plastics. The packaging industry, particularly the food and beverage sector, has witnessed a substantial rise in demand for high-quality recycled plastics due to consumer preferences shifting toward sustainable packaging. Innovations in material processing, including improved mechanical recycling techniques, have also contributed to the rising adoption of PCR plastics across diverse industries. However, challenges such as supply chain constraints, high costs of advanced recycling technologies, and inconsistent quality of recycled plastics remain obstacles to market expansion.

Government policies and industry collaborations are playing a pivotal role in shaping the PCR plastics market landscape. In regions such as North America and Europe, stringent regulations mandate minimum recycled content in packaging materials,

compelling businesses to incorporate PCR plastics into their products. Meanwhile, the Asia Pacific region is witnessing exponential growth, driven by rapid industrialization, increasing plastic waste management initiatives, and investments in recycling infrastructure. Additionally, the rising popularity of eco-conscious brands and consumer demand for sustainable products are expected to fuel further market growth.

North America dominates the market, bolstered by strong regulatory frameworks, widespread adoption of sustainability initiatives, and robust recycling infrastructure. Europe follows closely, benefiting from stringent policies and increasing corporate commitments to circular economy goals. Meanwhile, Asia Pacific is poised to be the fastest-growing region, with countries such as China, India, and Japan making substantial investments in waste recycling and polymer recovery. The presence of major plastic-consuming industries in the region further accelerates market growth.

Major Market Players Included in This Report:

Veolia Environnement S.A.

Plastipak Holdings, Inc.

Berry Global, Inc.

Suez S.A.

Indorama Ventures Public Company Limited

Alpek S.A.B. de C.V.

CarbonLite Industries LLC

MBA Polymers Inc.

Ultra-Poly Corporation

KW Plastics

Ecoplasteam S.r.l.

Clear Path Recycling, LLC

Evergreen Plastics, Inc.

Phoenix Technologies International, LLC

Biffa plc

The Detailed Segments and Sub-segments of the Market are Explained Below:

By Source:

Bottles

Non-bottle Rigid

By Type:

Polyethylene (PE)

Polypropylene (PP)

Polyvinyl Chloride (PVC)

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

Rest of Latin America

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years Considered for the Study:

Historical Year: 2022

Base Year: 2023

Forecast Period: 2024 to 2032

Key Takeaways:

Market estimates & forecasts for 10 years (2022-2032).

Annualized revenue breakdown and regional-level analysis for each market segment.

Detailed geographical assessment with country-level insights.

Competitive landscape overview with insights on major industry players.

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

Evaluation of market structure and competition.

Demand-side and supply-side dynamics analysis.

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