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Global Recycled Engineering Plastics Market Size Study & Forecast, by Product, Source, Application, and Regional Forecasts 2025-2035

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Abstracts

The Global Recycled Engineering Plastics Market is valued at approximately USD 56.61 billion in 2024 and is expected to grow at a compound annual growth rate (CAGR) of 9.50% over the forecast period 2025–2035. As environmental stewardship transforms from corporate social responsibility into a regulatory and financial necessity, the surge in demand for sustainable materials has propelled recycled engineering plastics into the limelight. These high-performance plastics, reclaimed and reprocessed from post-industrial or post-consumer waste, retain desirable mechanical and thermal characteristics, making them essential to circular economy initiatives across automotive, electronics, construction, and packaging industries. Their capacity to perform under harsh conditions while reducing carbon footprint positions them as a vital link between industrial performance and ecological responsibility.

This growing reliance on recycled engineering plastics can be attributed to an escalating global consciousness toward plastic waste mitigation, supportive governmental regulations, and advancements in polymer separation and purification technologies. Manufacturers are increasingly phasing out virgin resins in favor of recycled alternatives, driven by both economics and ESG-driven investor pressure. Innovations in chemical recycling, multi-layer material recovery, and additive compatibility have further extended the applicability of these materials into sectors that were once reliant exclusively on virgin polymers. Key products such as recycled polyethylene terephthalate (rPET), polypropylene (rPP), polyvinyl chloride (rPVC), and polystyrene (rPS) are witnessing unprecedented integration into components such as auto interiors, electronic housings, and food-grade packaging, opening new avenues of revenue and responsibility.

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Regionally, North America dominated the global recycled engineering plastics market in 2025 due to stringent waste management regulations, increased adoption of sustainability goals by key manufacturers, and an expansive infrastructure for plastic collection and processing. The United States, in particular, is witnessing massive investments in closed-loop systems and partnerships between municipal recyclers and industrial off-takers. Europe follows closely, propelled by the EU's Green Deal and Plastic Tax which incentivize recycled content in packaging and consumer goods. Meanwhile, Asia Pacific is projected to be the fastest-growing region throughout the forecast timeline, spearheaded by China and India. These economies are embracing recycling innovation amid mounting plastic pollution concerns, rapid industrialization, and growing demand for cost-effective yet durable materials in manufacturing.

Major market player included in this report are:

BASF SE

SABIC

Covestro AG

Celanese Corporation

DuPont de Nemours, Inc.

Veolia Environnement S.A.

Borealis AG

LyondellBasell Industries N.V.

MBA Polymers Inc.

KW Plastics

Indorama Ventures Public Company Limited

Ecolife Recycling LLC

Envision Plastics

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B&B Plastics Inc.

Loop Industries Inc.

Global Recycled Engineering Plastics Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025-2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Product:

Polyethylene

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Polyethylene Terephthalate

Polypropylene

Polyvinyl Chloride

Polystyrene

By Source:

Post-Consumer Waste

Post-Industrial Waste

By Application:

Automotive

Packaging

Building & Construction

Electrical & Electronics

Consumer Goods

By Region:

North America

U.S.

Canada

Europe

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- 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

- UAE

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Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

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.

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CHAPTER 9. COMPETITIVE INTELLIGENCE

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