

Recycled PET (rPET) Market By Type (Flakes, Chips), By Source (Bottles and Containers, Films and Sheets), By Application (Packaging, Fiber and Textiles, Sheets and Thermoforming, Construction Materials, Automotive Parts, Others): Global Opportunity Analysis and Industry Forecast, 2023-2032

Market Report | 2024-03-01 | 610 pages | Allied Market Research

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Report description:

The global recycled PET (rPET) market was valued at \$8.4 billion in 2022 and is estimated to reach \$16.2 billion by 2032, exhibiting a CAGR of 6.7% from 2023 to 2032.??

Recycled Polyethylene Terephthalate? (PET) refers to the process of collecting, sorting, cleaning, and processing used PET plastic products to create new materials. PET is a common type of plastic found in items such as beverage bottles, food containers, and polyester fabrics due to its durability and versatility.?

Recycling PET helps reduce the amount of plastic waste sent to landfills or incinerators, conserves natural resources, and decreases the environmental impact associated with producing new plastics. It also contributes to a more sustainable and circular economy by promoting the reuse of materials and minimizing the need for virgin plastic production.?

One of the primary drivers of the recycled PET market is growing environmental awareness and concerns regarding plastic pollution. PET is a widely used material in packaging, textiles, and various consumer goods, but its disposal poses significant environmental challenges. Discarded PET products contribute to pollution in oceans, landfills, and ecosystems, harming wildlife and human health. Recycled PET offers a solution to mitigate these environmental impacts by reducing the demand for virgin PET, conserving resources, and diverting waste from landfills. The environmental benefits of recycled PET, including reduced energy consumption, greenhouse gas emissions, and resource depletion, drive its adoption by businesses, governments, and consumers alike.????

Moreover, government regulations and policies play a crucial role in shaping the recycled PET market. Many countries have implemented legislation to address plastic waste and promote recycling. These regulations may include mandates for the use of recycled content in packaging, deposit-refund schemes, extended producer responsibility (EPR) programs, and bans or restrictions

on single-use plastics. Furthermore, compliance with regulatory requirements incentivizes businesses to invest in recycling infrastructure, increase recycled content in their products, and adopt sustainable practices. Moreover, regulatory stability and enforcement ensure a level playing field for market participants and provide long-term certainty for investment in the recycled PET sector.?

In addition, innovations in recycling technologies have significantly improved the efficiency, quality, and scalability of recycled PET processing. Advanced sorting, cleaning, and purification techniques enable the recycling of a broader range of PET waste streams, including post-consumer bottles, industrial scrap, and polyester textiles. Emerging technologies such as chemical recycling, depolymerization, and enzymatic degradation offer promising solutions to overcome the limitations of mechanical recycling and expand the scope of recycled PET applications. These technological advancements enhance the competitiveness and sustainability of recycled PET products, driving market growth and innovation.?

However, regulatory frameworks play a crucial role in shaping the dynamics of the recycled PET market. However, inconsistent regulations, lack of enforcement, and varying standards across regions pose challenges for industry players operating in the recycled PET sector. Complex regulatory requirements related to food contact materials, product labeling, and quality standards create compliance burdens and increase operational costs for recycled PET manufacturers. Harmonizing regulations and establishing clear guidelines for recycled PET products can facilitate market growth and foster greater confidence among stakeholders.?

On the contrary, the opportunities within the recycled PET market are vast and multifaceted, driven by environmental imperatives, regulatory mandates, and shift in consumer preferences. While challenges exist, including contamination issues, infrastructure limitations, and economic constraints, concerted efforts from stakeholders across the value chain can unlock the full potential of recycled PET. By investing in infrastructure development, technological innovation, product diversification, and collaborative initiatives, the recycled PET market can drive sustainable growth, create new economic opportunities, and contribute to a more circular and resource-efficient economy.?

The recycled PET (rpET) market is segmented on the basis of type, source, application, and region. On the basis of source, the market is categorized into flakes and chips. By source, the market is divided into bottles & containers, and films & sheets. By application, the market is classified into? packaging, fiber and textiles, sheets and thermoforming, construction materials, automotive parts, and others. Region-wise, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.???

The global recycled PET market profiles leading players that include Indorama Ventures Public Company Limited, Plastipak Holdings, Inc, Alpek SAB de CV, Clear Path Recycling, CarbonLite Industries, LLC, Evergreen Plastics, Phoenix Technologies International LLC, M&G Chemicals, Loop Industries, Inc., and Placon.???

Other key players involved in the manufacturing of recycled PET includes Biffa, Far Eastern New Century Corporation, PolyQuest, OCTAL , and others. The global recycled PET market report provides in-depth competitive analysis as well as profiles of these major players.???

Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the recycled pet (rpET) market analysis from 2022 to 2032 to identify the prevailing recycled pet (rpET) market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the recycled pet (rpET) market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global recycled pet (rpET) market trends, key players, market segments, application areas, and market growth strategies.

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- Additional country or region analysis- market size and forecast
- Average Selling Price Analysis / Price Point Analysis
- Expanded list for Company Profiles
- Historic market data
- Import Export Analysis/Data
- Key player details (including location, contact details, supplier/vendor network etc. in excel format)
- List of customers/consumers/raw material suppliers- value chain analysis
- Market share analysis of players at global/region/country level
- SWOT Analysis
- Volume Market Size and Forecast

Key Market Segments

By Application

- Packaging
- Fiber and Textiles
- Sheets and Thermoforming
- Construction Materials
- Automotive Parts
- Others

By Type

- Flakes
- Chips

By Source

- Bottles and Containers
- Films and Sheets

By Region

- North America
- ? U.S.
- ? Canada
- ? Mexico

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 - ? Germany
 - ? UK
 - ? France
 - ? Spain
 - ? Italy
 - ? Rest of Europe
- Asia-Pacific
 - ? China
 - ? India
 - ? Japan
 - ? South Korea
 - ? Australia
 - ? Rest of Asia-Pacific
- LAMEA
 - ? Brazil
 - ? Saudi Arabia
 - ? South Africa
 - ? Rest of LAMEA
- Key Market Players
 - ? Indorama Ventures Public Company Limited
 - ? PLASTIPAK HOLDINGS, INC.
 - ? Alpek SAB de CV
 - ? Clear Path Recycling, LLC
 - ? CarbonLite Industries, LLC
 - ? Evergreen Plastics
 - ? Phoenix Technologies International LLC,
 - ? M&G Chemicals
 - ? Loop Industries, Inc.
 - ? Placon

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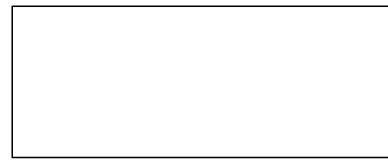
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