

Sustainable Plastic Packaging Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031)

> ****Industry:**** Sustainable & Biodegradable Packaging (Packaging)
> ****Source:**** <https://www.mordorintelligence.com/industry-reports/sustainable-plastic-packaging-market>
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Executive Market Summary

Market Metric	Details
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Base Market Size	USD 84.46 billion
Projected Forecast (2031)	USD 84.46 billion
Growth Rate (CAGR)	7.74 %
Largest Market Region	Home
Fastest-Growing Region	Home

Market Visualizations & Infographics

![Sustainable Plastic Packaging Market (2025 - 2030)](images/chart_1.png)

Comprehensive Research Analysis

Market Overview

Sustainable Plastic Packaging Market Analysis by Mordor IntelligenceSustainable plastic packaging market size in 2026 is estimated at USD 84.46 billion, growing from 2025 value of USD 78.39 billion with 2031 projections showing USD 122.62 billion, growing at 7.74% CAGR over 2026-2031. Intensifying global regulations, especially the EU Packaging and Packaging Waste Regulation that targets full recyclability by 2030, are raising baseline demand for circular materials. Brand-owner targets to halve virgin-plastic use, rapid PFAS phase-outs in 12 US states, and the roll-out of chemical-recycling approvals for food-grade PET have shifted capital toward rPET and bio-polymer capacity expansions. Cost-parity breakthroughs—most notably enzyme-based depolymerization validated by the US National Renewable Energy Laboratory—signal a path to equal or lower costs than virgin resin, strengthening the long-term competitiveness of circular formats. Meanwhile, e-commerce growth is reshaping protective-packaging designs, pulling demand for lightweight mono-material structures that lower logistics emissions and align with Extended Producer Responsibility (EPR) fees.

Key Market Trends

Global Sustainable Plastic Packaging Market Trends and InsightsDrivers Impact Analysis

Scope Of The Report

Global Sustainable Plastic Packaging Market Report ScopeSustainable plastic packaging refers to packaging materials and designs that minimize environmental impact throughout their lifecycle. This includes using recycled or bio-based plastics, reducing material usage, improving recyclability, and ensuring proper disposal or reuse. The goal is to create packaging solutions that meet functional requirements while addressing plastic waste and pollution concerns. These packaging solutions often incorporate innovative technologies and materials to enhance sustainability. For example, some sustainable plastic packaging uses biodegradable polymers that break down naturally in the environment. Others are designed for easy disassembly and recycling, promoting a circular economy approach. Sustainable plastic packaging also optimizes production processes to reduce energy consumption.

ion and greenhouse gas emissions.

Sustainable plastic packaging market by packaging type (rigid, flexible), by packaging format (primary, secondary, and tertiary), by process (recyclable, reusable, and biodegradable), by end-user verticals (food and beverage, personal care, and healthcare, industrial and other end-user industries) and by Geography (North America [United States, Canada], Europe [Germany, United Kingdom, France, Rest of Europe], Asia [China, Japan, India, Australia and New Zealand, Rest of Asia], Latin America [Brazil, Mexico, Columbia, Rest of Latin America], Middle East and Africa [United Arab Emirates, Saudi Arabia, South Africa and Rest of Middle East & Africa]) The market sizes and forecasts are provided in terms of value in (USD) for all the above segments.

Frequently Asked Questions

What is the current size of the sustainable plastic packaging market?

The sustainable plastic packaging market size stands at USD 84.46 billion in 2026 and is forecast to reach USD 122.62 billion by 2031 at an 7.74% CAGR.

Which packaging type leads the market?

Rigid formats lead, capturing 55.02% of the market in 2025 due to beverage and food applications that require high-barrier protection.

Why are refill and concentrate systems growing so quickly?

They cut plastic usage, reduce logistics emissions, and align with brand-owner waste-reduction targets, resulting in a 12.08% CAGR through 2031.

What geographical region is growing fastest?

Asia-Pacific posts the highest growth trajectory with a 10.43% CAGR, propelled by new regulatory mandates and large-scale rPET and PLA capacity additions.

How do PFAS regulations impact packaging materials?

Upcoming bans and strict residue limits force converters to replace fluorinated barrier coatings with PFAS-free alternatives, accelerating R&D in aqueous and mineral-based solutions.

Are cost premiums for sustainable packaging expected to decline?

Yes. Government infrastructure spending and enzyme-based recycling breakthroughs are narrowing the price gap relative to virgin plastics, improving cost competitiveness over the forecast period.