

Global Enzymatic Recycling Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Enzymatic Recycling market size was valued at US\$ 62.83 million in 2025 and is forecast to a readjusted size of US\$ 181 million by 2032 with a CAGR of 16.5% during review period.

Enzymatic recycling is a sustainable process that uses specialized enzymes to break down plastic waste into its original building blocks, allowing it to be reused in the production of new plastics. Unlike traditional recycling methods, which often degrade the quality of plastic, enzymatic recycling operates at lower temperatures and under milder conditions, preserving the integrity of the material. This process is particularly effective for complex plastics like PET (polyethylene terephthalate), which are difficult to recycle mechanically. By converting plastics back into their monomers, enzymatic recycling offers a more efficient and environmentally friendly alternative, reducing plastic waste and the need for virgin plastic production.

This report is a detailed and comprehensive analysis for global Enzymatic Recycling market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Enzymatic Recycling market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Enzymatic Recycling market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Enzymatic Recycling market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Enzymatic Recycling market shares of main players, in revenue (\$ Million), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries

- To assess the growth potential for Enzymatic Recycling

- To forecast future growth in each product and end-use market

- To assess competitive factors affecting the marketplace

This report profiles key players in the global Enzymatic Recycling market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Carbios, Samsara Eco, Protein Evolution, Epoch Biodesign, Yuantian Biotechnology, Birch Biosciences, Enzymity, Plasticentropy, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Enzymatic Recycling market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

PET

PEF

PE

Market segment by Application

Food and Beverage Packaging

Clothing and Textiles

Others

Market segment by players, this report covers

Carbios

Samsara Eco

Protein Evolution

Epoch Biodesign

Yuantian Biotechnology

Birch Biosciences

Enzymity

Plasticentropy

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Enzymatic Recycling product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Enzymatic Recycling, with revenue, gross margin, and global market share of Enzymatic Recycling from 2021 to 2026.

Chapter 3, the Enzymatic Recycling competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Enzymatic Recycling market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Enzymatic Recycling.

Chapter 13, to describe Enzymatic Recycling research findings and conclusion.

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