

Global CO2-Based Plastics Market

Market Research Report | 2025-09-26 | 87 pages | BCC Research

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Report description:

Description

Report Scope

The report includes details about products, production processes and applications for CO2-based plastics. Estimated values are based on manufacturers' total revenues. Projected revenue values are in constant U.S. dollars, unadjusted for inflation. The report also contains comprehensive information regarding CO2-based plastics and their users.

The global CO2-based plastics market is segmented into the following categories:

- By product type (polycarbonates, polyurethanes, polypropylene carbonate, polyethylene carbonate, polyethylene terephthalate, and other).
- By production process (electrochemistry, microbial synthesis and thermocatalysis).
- By application (packaging, automotive components, construction materials, electronic components, textile processing and other).
- By region (North America, Europe, Asia-Pacific, Rest of the World (RoW)).

Report Includes

- In-depth analysis of the global markets for CO2-based plastics
- Analyses of the global market trends, with revenue data for 2024, estimates for 2025, forecasts for 2029, and projections of CAGRs through 2030
- Estimates of the current market size and revenue prospects of the global market, along with a market share analysis by product type, production process, application and region
- Facts and figures about market dynamics, opportunities and deterrents, technological advances, regulations, innovations and standards and the impacts of macroeconomic variables
- Analysis of the industry structure, including companies' market shares and rankings, strategic initiatives, M&A activity and a venture funding outlook
- Profiles of the leading companies

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Executive Summary

Summary:

This report provides an overview of the global CO2-based plastics market and analyzes industry trends. It includes global revenue (\$ millions) for the base year data of 2024 and estimated data for the forecast period 2025 through 2030. The report focuses on the significant driving trends and challenges that affect the global market and its vendor landscape.

The report includes details about products, production processes and applications for CO2-based plastics. Estimated values are based on manufacturers' total revenues. Projected revenue values are in constant U.S. dollars, unadjusted for inflation. The report also contains comprehensive information regarding CO2-based plastics and their users.

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AVANTIUM
CARDIA BIOPLASTICS
COVESTRO AG
EMPOWER MATERIALS
LANZATECH
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