

## **Global Bio-based Composite Material Market**

Market Research Report | 2024-08-16 | 132 pages | BCC Research

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### **Report description:**

Description

Report Scope:

This report covers the composite types, resin types and fiber types of bio-based composite materials and associated end-use industries. 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 bio-based composite materials and their users.

In this report, the global market for bio-based composite materials is divided into five segments -

- Type (wood fiber and non-wood fiber).
- Fiber type (wood fiber, hemp, flax and others).
- Resin type (polyethylene, polypropylene, polyvinyl chloride and others).
- End use (building and construction, transportation, industrial, consumer goods and others).
- Region (North America, Europe, Asia-Pacific and RoW).

Report Includes:

- 109 data tables and 55 additional tables
- An overview of the global market for bio-based composite materials
- Analyses of global market trends, with market revenue data from 2023, estimates for 2024, forecast for 2028, and projected CAGRs through 2029
- Estimates of the market size and revenue forecast, and a market share analysis by type, fiber type, resin type, end-use industry and region
- Facts and figures pertaining to market dynamics and technological trends

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- A look at products in the pipeline
- Description of advanced manufacturing methods for nanocellulose materials and production process for thermomechanical pulp
- Discussion of sustainability trends, including consumer attitudes, companies' ESG rankings, case studies and the ESG practices of leading companies
- Analysis of the industry structure, including company market shares, recent M&A activity and venture funding
- Competitive intelligence on the leading companies' products, business strategies and financials
- Company profiles of major players within the industry, including UPM, UFP Industries Inc., Norske Skog, The Trex Co. Inc., and The Azek Co. Inc.

## Executive Summary

### Summary:

Bio-based composite materials offer an eco-friendly alternative to traditional composites. The growing use of sustainable fiber in end-use industries such as transportation, building and construction, packaging, agriculture, medical and consumer goods further drives demand for bio-based composite materials in the global economy. For instance, bio-based composite materials are used by automotive manufacturers in door panels, dashboard trims, seat backs, thermoacoustic insulation, engine covers, battery casings and headliners.

To combat the rise in carbon emissions, governments are enacting strict regulations against traditional composites, polymer production and consumption. This has led producers of traditional composites such as the Azek Co. Inc., Trex Co. Inc., UFP Industries Inc., Universal Plastic Mold Inc. (UPM) and Norske Skog ASA to enter the bio-based composite materials market. Such support from government policies and growing consumer acceptance of bio-based composite materials will drive the market for bio-based composite materials during the forecast period.

### **Table of Contents:**

- Table of Contents
- Chapter 1 Executive Summary
- Market Outlook
- Scope of Report
- Market Summary
- Chapter 2 Market Overview
- Market Definition
- Importance of Bio-based Composite Materials
- Chapter 3 Market Dynamics
- Market Dynamics Snapshot
- Market Drivers
- Greenfield Projects and Investment in Infrastructure
- Technological Advances in Bio-based Composite Materials
- Growing End-use Applications
- Market Restraints
- Lower Strength than Traditional Composites
- Lack of Awareness in Certain Economies
- Market Opportunities
- Transportation Industry
- Supportive Government Policies
- Market Challenges

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Processing and Manufacturing Challenges for Customized Grade  
Chapter 4 Regulatory Landscape  
Regulatory Bodies  
Chapter 5 Emerging Technologies and Developments  
New and Emerging Technologies  
Thermomechanical Pulp  
Advanced Manufacturing Methods for Nanocellulose Materials  
Chapter 6 Supply Chain Analysis  
Analysis of Supply Chain for Bio-based Composite Materials  
Chapter 7 Market Segmentation Analysis  
Overview  
Segmentation Breakdown  
Market Analysis by Type  
Wood Fiber  
Non-wood Fiber  
Market Analysis by Resin Type  
Polyethylene (PE)  
Polypropylene (PP)  
Polyvinyl-Chloride (PVC)  
Other Resin Types  
Market Analysis by Fiber Type  
Wood Fiber  
Hemp  
Flax  
Other Fiber Types  
Market Analysis by End-Use Industries  
Building and Construction  
Transportation  
Industrial  
Consumer Goods  
Other Industries  
Geographic Breakdown  
Market Analysis by Region  
North America  
Europe  
Asia-Pacific  
Rest of the World  
Chapter 8 Competitive Intelligence  
Market Ranking Analysis  
Strategic Analysis  
Chapter 9 Sustainability in the Global Bio-based Composite Material Market: ESG Perspective  
ESG in the Bio-based Composite Materials Industry  
ESG Ratings and Metrics: Understanding the Data  
ESG Practices in the Bio-based Composite Material Market  
Current Status of ESG in the Bio-based Composite Material Market  
Risk Scale, Exposure Scale and Management Scale  
Future of ESG: Emerging Trends and Opportunities

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Concluding Remarks from BCC Research

Chapter 10 Appendix

Methodology

Information Sources

References

Abbreviations

Company Profiles

FIBERON

FLEXFORM TECHNOLOGIES

GREEN DOT BIOPLASTICS

HUANGSHAN HUASU NEW MATERIAL SCIENCE & TECHNOLOGY CO. LTD.

JELU-WERK J. EHRLER GMBH & CO. KG

MESHLIN COMPOSITES ZRT.

NORSKE SKOG

PROCOTEX

TECNARO GMBH

THE AZEK CO. INC.

TREX CO. INC.

TTS

UFP INDUSTRIES INC.

UPM

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