

# Global Bio-based Composite Material Market

<https://marketpublishers.com/r/GD604AFE845DEN.html>

Date: August 2024

Pages: 132

Price: US\$ 4,650.00 (Single User License)

ID: GD604AFE845DEN

## Abstracts

### 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 %li%

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

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.

## 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  
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  
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

## List Of Tables

### LIST OF TABLES

Summary Table : Global Market for Bio-based Composite Materials, by Region, Through 2029

Table 1 : Factors Affecting the Selection of Bio-based Composite Materials

Table 2 : Leading Exporters of Wood Fiberboard, by Country, 2022

Table 3 : New Car Registrations, by Region, 2022 and 2023

Table 4 : Number of Greenfield Projects, by Region, 2021 and 2022

Table 5 : Leading Hemp Fiber Producing Countries, by Volume, 2021

Table 6 : Regulatory Bodies Overseeing the Production of Bio-based Composite Materials

Table 7 : Properties of Natural Fibers

Table 8 : Global Market for Bio-based Composite Materials, by Type, Through 2029

Table 9 : U.S. Data for Forest and Wood Products, 2021 and 2022

Table 10 : Global Market for Wood Fiber Bio-based Composite Materials, by Region, Through 2029

Table 11 : Hemp Seed Production Volume, by Country, in 2022

Table 12 : Global Market for Non-wood Fiber Bio-based Composite Materials, by Region, Through 2029

Table 13 : Uses for Bio-based Composite Materials in Transportation

Table 14 : Global Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 15 : Global Market for PE Fiber Bio-based Composite Material, by Region, Through 2029

Table 16 : Global Market for PP Bio-based Composite Materials, by Region, Through 2029

Table 17 : Global Market for PVC Fiber Bio-based Composite Materials, by Region, Through 2029

Table 18 : Global Market for Other Resin Types of Bio-based Composite Materials, by Region, Through 2029

Table 19 : Chemical Treatment of Natural Fibers

Table 20 : Global Market for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 21 : Global Market for Wood Fiber Bio-based Composite Materials, by Region, Through 2029

Table 22 : Leading Exporters of Hemp Fibers, by Country, 2022

Table 23 : Global Market for Hemp Fiber Bio-based Composite Materials, by Region,

Through 2029

Table 24 : Leading Countries in Exports of Flax Fiber, 2022

Table 25 : Global Market for Flax Fiber Bio-based Composite Materials, by Region, Through 2029

Table 26 : Global Market for Other Fiber Types Bio-based Composite Materials, by Region, Through 2029

Table 27 : FDI Inflows, by Country, 2021 and 2022

Table 28 : Global Market for Bio-based Composite Materials, by End-Use Industry, Through 2029

Table 29 : Investments in Building and Construction, by Country, 2022–2023

Table 30 : Global Market for Bio-based Composite Materials in the Building and Construction Industry, by Region, Through 2029

Table 31 : Leading Automobile Producing Countries in the EU, 2022 and 2023

Table 32 : Global Market for Bio-based Composite Materials in the Transportation Industry, by Region, Through 2029

Table 33 : GDP Growth Forecasts for Asia-Pacific Countries, 2023 and 2024

Table 34 : Global Market for Bio-based Composite Materials in the Industrial Sector, by Region, Through 2029

Table 35 : Global Market for Bio-based Composite Materials in Consumer Goods, by Region, Through 2029

Table 36 : Global Market for Bio-based Composite Materials in Other End-use Industries, by Region, Through 2029

Table 37 : Global Market for Bio-based Composite Materials, by Region, Through 2029

Table 38 : North American Market for Bio-based Composite Materials, by Country, Through 2029

Table 39 : North American Market for Bio-based Composite Materials, by Type, Through 2029

Table 40 : North American Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 41 : North American Market for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 42 : North American Market for Bio-based Composite Materials, by End-Use Industry, Through 2029

Table 43 : U.S. Construction Market, Revenue by Type, 2021 and 2022

Table 44 : U.S. Market for Bio-based Composite Materials, by Type, Through 2029

Table 45 : U.S. Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 46 : U.S. Market for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 47 : U.S. Market for Bio-based Composite Materials, by End-Use Industry, Through 2029

Table 48 : Canadian Construction Market, Revenue by Type, 2021 and 2022

Table 49 : Canadian Market for Bio-based Composite Materials, by Type, Through 2029

Table 50 : Canadian Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 51 : Canadian Market for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 52 : Canadian Market for Bio-based Composite Material, by End-Use Industry, Through 2029

Table 53 : Mexican Market for Bio-based Composite Materials, by Type, Through 2029

Table 54 : Mexican Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 55 : Mexican Market for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 56 : Mexican Market for Bio-based Composite Materials, by End-Use Industry, Through 2029

Table 57 : Motor Vehicle Production, by European Country, 2022 and 2023

Table 58 : European Market for Bio-based Composite Materials, by Country, Through 2029

Table 59 : European Market for Bio-based Composite Materials, by Type, Through 2029

Table 60 : European Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 61 : European Market for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 62 : European Market for Bio-based Composite Materials, by End-Use Industry, Through 2029

Table 63 : German Market for Bio-based Composite Materials, by Type, Through 2029

Table 64 : German Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 65 : German Market for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 66 : German Market for Bio-based Composite Materials, by End-Use Industry, Through 2029

Table 67 : French Market for Bio-based Composite Materials, by Type, Through 2029

Table 68 : French Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 69 : French Market for Bio-based Composite Materials, by Fiber Type, Through 2029



Table 70 : French Market for Bio-based Composite Materials, by End-Use Industry, Through 2029

Table 71 : U.K. Market for Bio-based Composite Materials, by Type, Through 2029

Table 72 : U.K. Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 73 : U.K. Market for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 74 : U.K. Market for Bio-based Composite Materials by End-Use Industry, Through 2029

Table 75 : Rest of European Market for Bio-based Composite Materials, by Type, Through 2029

Table 76 : Rest of European Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 77 : Rest of European Market for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 78 : Rest of European Market for Bio-based Composite Materials, by End-Use Industry, Through 2029

Table 79 : Asia-Pacific Market for Bio-based Composite Materials, by Country, Through 2029

Table 80 : Asia-Pacific Market for Bio-based Composite Materials, by Type, Through 2029

Table 81 : Asia-Pacific Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 82 : Asia-Pacific Market for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 83 : Asia-Pacific Market for Bio-based Composite Materials, by End-Use Industry, Through 2029

Table 84 : China's Timber Production Volume, by Province, 2020 and 2021

Table 85 : Chinese Market for Bio-based Composite Materials, by Type, Through 2029

Table 86 : Chinese Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 87 : Chinese Market for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 88 : Chinese Market for Bio-based Composite Material, by End-Use Industry, Through 2029

Table 89 : Japanese Market for Bio-based Composite Materials, by Type, Through 2029

Table 90 : Japanese Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 91 : Japanese Market for Bio-based Composite Materials, by Fiber Type, Through 2029

2029

Table 92 : Japanese Market for Bio-based Composite Materials, by End-Use Industry, Through 2029

Table 93 : Indian Market for Bio-based Composite Materials, by Type, Through 2029

Table 94 : Indian Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 95 : Indian Market for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 96 : Indian Market for Bio-based Composite Material, by End-Use Industry, Through 2029

Table 97 : Motor Vehicle Production in the Rest of Asia-Pacific, by Country, 2021 and 2022

Table 98 : Rest of Asia-Pacific Market for Bio-based Composite Materials, by Type, Through 2029

Table 99 : Rest of Asia-Pacific Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 100 : Rest of Asia-Pacific Market for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 101 : Rest of Asia-Pacific Market for Bio-based Composite Materials, by End-Use Industry, Through 2029

Table 102 : Motor Vehicle Production in RoW, by Country, 2021 and 2022

Table 103 : RoW Market for Bio-based Composite Materials, by Country, Through 2029

Table 104 : RoW Market for Bio-based Composite Materials, by Type, Through 2029

Table 105 : RoW Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 106 : RoW Market for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 107 : RoW Market for Bio-based Composite Materials, by End-Use Industry, Through 2029

Table 108 : Brazilian Market for Bio-based Composite Materials, by Type, Through 2029

Table 109 : Brazilian Market for Bio-based Composite Materials, by Resin Type, Through 2029

Table 110 : Brazilian Market for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 111 : Brazilian Market for Bio-based Composite Materials, by End-Use Industry, Through 2029

Table 112 : Argentinian Market for Bio-based Composite Materials, by Type, Through 2029

Table 113 : Argentinian Market for Bio-based Composite Materials, by Resin Type,

Through 2029

Table 114 : Argentinian Market for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 115 : Argentinian Market for Bio-based Composite Materials, by End-Use Industry, Through 2029

Table 116 : Scorecard for Environmental Sustainability, by Country, 2023

Table 117 : Other RoW Countries Markets for Bio-based Composite Materials, by Type, Through 2029

Table 118 : Other RoW Countries Markets for Bio-based Composite Materials, by Resin Type, Through 2029

Table 119 : Other RoW Countries Markets for Bio-based Composite Materials, by Fiber Type, Through 2029

Table 120 : Other RoW Countries Markets for Bio-based Composite Materials, by End-Use Industry, Through 2029

Table 121 : Leading Companies in the Market for Bio-based Composite Materials, 2023

Table 122 : ESG Ratings and Metrics

Table 123 : ESG Circular Economy Issue Analysis

Table 124 : Labor Welfare Issue Analysis

Table 125 : Governance Issue Analysis

Table 126 : ESG Scorecard for Four Companies

Table 127 : Risk, Exposure and Management Scales

Table 128 : Abbreviations Used in this Report

Table 129 : Fiberon: Company Snapshot

Table 130 : Fiberon: Product Portfolio

Table 131 : FlexForm Technologies: Company Snapshot

Table 132 : FlexForm Technologies: Product Portfolio

Table 133 : Green Dot Bioplastics: Company Snapshot

Table 134 : Green Dot Bioplastics: Product Portfolio

Table 135 : Green Dot Bioplastics: News/Key Developments, 2021

Table 136 : Huangshan Huasu New Material Science & Technology Co. Ltd.: Company Snapshot

Table 137 : Huangshan Huasu New Material Science & Technology Co. Ltd.: Product Portfolio

Table 138 : JELU-WERK J. Ehrler GmbH & Co. KG: Company Snapshot

Table 139 : JELU-WERK J. Ehrler GmbH & Co. KG: Product Portfolio

Table 140 : Meshlin Composites Zrt.: Company Snapshot

Table 141 : Meshlin Composites Zrt.: Product Portfolio

Table 142 : Norske Skog: Company Snapshot

Table 143 : Norske Skog: Financial Performance, FY 2022 and 2023

Table 144 : Norske Skog: Product Portfolio
Table 145 : Norske Skog: News/Key Developments, 2022
Table 146 : Procotex: Company Snapshot
Table 147 : Procotex: Product Portfolio
Table 148 : Tecnar GmbH: Company Snapshot
Table 149 : Tecnar GmbH: Product Portfolio
Table 150 : The AZEK Co. Inc.: Company Snapshot
Table 151 : The AZEK Co. Inc.: Financial Performance, FY 2022 and 2023
Table 152 : The AZEK Co. Inc.: Product Portfolio
Table 153 : Trex Co. Inc.: Company Snapshot
Table 154 : Trex Co. Inc.: Financial Performance, FY 2022 and 2023
Table 155 : Trex Co. Inc.: Product Portfolio
Table 156 : TTS: Company Snapshot
Table 157 : TTS: Product Portfolio
Table 158 : UFP Industries Inc.: Company Snapshot
Table 159 : UFP Industries Inc.: Financial Performance, FY 2022 and 2023
Table 160 : UFP Industries Inc.: Product Portfolio
Table 161 : UPM: Company Snapshot
Table 162 : UPM: Financial Performance, FY 2022 and 2023
Table 163 : UPM: Product Portfolio

## List Of Figures

### LIST OF FIGURES

Summary Figure : Global Market for Bio-based Composite Materials, by Region, 2023 and 2029

Figure 1 : Market Dynamics of Bio-based Composite Materials

Figure 2 : Production of Light Commercial Vehicles, by Region, 2022–2023

Figure 3 : Supply Chain Analysis: Bio-based Composite Materials

Figure 4 : Global Market Shares of Bio-based Composite Materials, by Type, 2023

Figure 5 : Global Market Shares of Bio-based Composite Materials, by Resin Type, 2023

Figure 6 : Global Market Shares of Bio-based Composite Materials, by Fiber Type, 2023

Figure 7 : Global Market Shares of Bio-based Composite Materials, by End-Use Industry, 2023

Figure 8 : Global Production Capacity for Bioplastics, 2023–2028

Figure 9 : Share of Green Private Investment in Infrastructure, by Region, 2022

Figure 10 : Global Market Shares of Bio-based Composite Materials, by Region, 2023

Figure 11 : Investment in Infrastructure in the Building and Construction Industry, by Region, 2018 and 2022

Figure 12 : Production of Wood Pellets in Germany, 2021–2023

Figure 13 : Production of Wood Pellets in Sweden and Portugal, 2021 and 2022

Figure 14 : GDP Growth Rate in Asia-Pacific Economies, 2022 and 2023

Figure 15 : Investments through Venture Capital in Indian Real Estate, 2022 and 2023

Figure 16 : FDI Inflows in Brazil, 2020–2022

Figure 17 : FDI Inflows in Argentina, 2020–2022

Figure 18 : Overview of ESG Factors

Figure 19 : Norske Skog: Revenue Share, by Business Unit, FY 2023

Figure 20 : Norske Skog: Revenue Share, by Region, FY 2023

Figure 21 : The AZEK Co. Inc.: Revenue Share, by Business Unit, FY 2023

Figure 22 : UFP Industries Inc.: Revenue Share, by Business Unit, FY 2023

Figure 23 : UFP Industries Inc.: Revenue Share, by Country/Region, FY 2023

Figure 24 : UPM: Revenue Share, by Business Unit, FY 2023

Figure 25 : UPM: Revenue Share, by Country/Region, FY 2023

## I would like to order

Product name: Global Bio-based Composite Material Market

Product link: <https://marketpublishers.com/r/GD604AFE845DEN.html>

Price: US\$ 4,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GD604AFE845DEN.html>