

Global Bio-Based Composites Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Bio-Based Composites market size is expected to reach \$ 4319 million by 2032, rising at a market growth of 8.0% CAGR during the forecast period (2026-2032).

In 2025, global Bio-Based Composites production reached approximately 765.63 k tons, with an average global market price of around USD 3,200 per ton.

The gross profit margin of major companies in the industry is between 15.82%-29.54%.

In 2025, the global production capacity of Bio-Based Composites was approximately 1.01 million tons.

Bio-Based Composites are composite materials in which part or all of the matrix, reinforcement or filler comes from renewable biological resources. They may combine bio-based polymers, natural fibers, wood fibers, agricultural residues or mineral fillers to achieve lighter weight, lower carbon footprint and acceptable mechanical performance. Applications include automotive interior parts, building panels, consumer goods, packaging, furniture, electronics housings and sporting goods. The market boundary covers thermoplastic and thermoset bio-based composite materials and semi-finished products, but excludes pure bioplastics without reinforcement and conventional petroleum-based composites without bio-derived content.

The industry chain starts with plant fibers, wood fibers, agricultural residues, bio-based resins, coupling agents, additives, fillers and surface treatment chemicals. Midstream processes include fiber treatment, compounding, extrusion, compression molding, injection molding, lamination, pultrusion and performance testing. Downstream demand comes from automotive lightweighting, green buildings, consumer products, packaging,

furniture, electronics, transportation and industrial components. Market growth is driven by carbon reduction policies, demand for renewable materials, brand sustainability targets and improvements in processing stability and mechanical performance.

Global carbon neutral policy and green material substitution trend accelerate industrialization of bio-based composites. Renewable raw material reduces fossil resource reliance while maintaining mechanical strength. Process optimization expands usage in auto parts and daily industrial plastic replacing fields.

This report studies the global Bio-Based Composites production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Bio-Based Composites and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Bio-Based Composites that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Bio-Based Composites total production and demand, 2021-2032, (Tons)

Global Bio-Based Composites total production value, 2021-2032, (USD Million)

Global Bio-Based Composites production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Bio-Based Composites consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Bio-Based Composites domestic production, consumption, key domestic manufacturers and share

Global Bio-Based Composites production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Bio-Based Composites production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Bio-Based Composites production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Bio-Based Composites market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include TECNARO, Stora Enso, Green Dot Bioplastics,

Bcomp, Lingrove, FlexForm Technologies, Trex Company, Fiberon, JELU-WERK, Kingfa Sci. & Tech, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Bio-Based Composites market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Bio-Based Composites Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Bio-Based Composites Market, Segmentation by Type:

Bio-Based Thermoplastic Composites

Bio-Based Thermoset Composites

Hybrid Bio-Based Composites

Global Bio-Based Composites Market, Segmentation by Reinforcement Type:

Natural Fiber Reinforced Composites

Bio-Filler Reinforced Composites

Continuous Fiber Reinforced Composites

Global Bio-Based Composites Market, Segmentation by Bio-Based Content:

Low Bio-Based Content??30.00%?

Medium Bio-Based Content?30.01%?70.00%?

High Bio-Based Content??70.00%?

Global Bio-Based Composites Market, Segmentation by Application:

Automotive and Transportation

Building and Construction

Consumer Goods

Other

Companies Profiled:

TECNARO

Stora Enso

Green Dot Bioplastics

Bcomp

Lingrove

FlexForm Technologies

Trex Company

Fibron

JELU-WERK

Kingfa Sci. & Tech

Nanjing Julong Science & Technology

Anhui Sentai WPC Group

NewTechWood

Anhui Guofeng New Materials

Key Questions Answered:

1. How big is the global Bio-Based Composites market?
2. What is the demand of the global Bio-Based Composites market?
3. What is the year over year growth of the global Bio-Based Composites market?
4. What is the production and production value of the global Bio-Based Composites market?
5. Who are the key producers in the global Bio-Based Composites market?
6. What are the growth factors driving the market demand?

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