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Global Bio-based Material for Automotive Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Bio-based Material for Automotive market size was valued at US$ 11216 million in 2025 and is forecast to a readjusted size of US$ 21713 million by 2032 with a CAGR of 9.9% during review period.

In 2025, global Bio-based Material for Automotive production reached approximately 2,477.3 kilotons with an average global market price of around US$4,400 per ton. Single-line annual production capacity averages 115 kilotons with a gross margin of approximately 30%. The upstream of the Bio-based Material for Automotive industry primarily consists of natural fibers, bioplastics, and biorubbers, concentrated in the agricultural and biotechnology chemical sectors. Downstream applications include battery box covers accounting for approximately 15%, body structural components at around 20%, chassis systems at about 10%, interior and exterior trim systems at roughly 30%, safety systems at about 15%, and other applications at around 20%. The current market demand for these materials is on the rise, particularly driven by the trends in new energy vehicles and lightweighting. Business opportunities are primarily focused on enhancing material performance, reducing costs, and increasing sustainability.

Bio-based materials for automotive applications represent a strategic shift towards sustainability, offering a reduced carbon footprint and decreased reliance on fossil fuels. These materials leverage the renewable nature of biomass to enhance vehicle performance through lightweighting, which contributes to improved fuel efficiency and reduced emissions. Furthermore, they provide an opportunity to recycle and biodegrade, leading to a circular economy and a reduced environmental impact

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throughout the vehicle's lifecycle.

This report is a detailed and comprehensive analysis for global Bio-based Material for Automotive market. Both quantitative and qualitative analyses are presented by manufacturers, 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 Bio-based Material for Automotive market size and forecasts, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Bio-based Material for Automotive market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Bio-based Material for Automotive market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Bio-based Material for Automotive market shares of main players, shipments in revenue ($ Million), sales quantity (Kilotons), and ASP (US$/Ton), 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 Bio-based Material for Automotive

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

To assess competitive factors affecting the marketplace

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This report profiles key players in the global Bio-based Material for Automotive market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Huntsman, Arkema, Kuraray Elastomer, Evonik, Covestro, Saint-Gobain, Kraiburg TPE, Woodbridge Group, Fraunhofer-Gesellschaft, Basf, etc.

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

Market Segmentation

Bio-based Material for Automotive 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 in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Liquid Resins

Foam

Plastic

Others

Market segment by Bio-Content

Bio-Content ?50%

Bio-Content >50%

Market segment by Application

Battery System

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Body Structural Component

Chassis System

Interior/Exterior System

Safety System

Others

Major players covered

Huntsman

Arkema

Kuraray Elastomer

Evonik

Covestro

Saint-Gobain

Kraiburg TPE

Woodbridge Group

Fraunhofer-Gesellschaft

Basf

Bcomp

Cathay Biotech

Shandong Chambroad Holding

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Jiahua Chemical (Shanghai)

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Bio-based Material for Automotive product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Bio-based Material for Automotive, with price, sales quantity, revenue, and global market share of Bio-based Material for Automotive from 2021 to 2026.

Chapter 3, the Bio-based Material for Automotive competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Bio-based Material for Automotive breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales

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quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and Bio-based Material for Automotive market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Bio-based Material for Automotive.

Chapter 14 and 15, to describe Bio-based Material for Automotive sales channel, distributors, customers, research findings and conclusion.

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Contents

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3 COMPETITIVE ENVIRONMENT: BIO-BASED MATERIAL FOR AUTOMOTIVE BY MANUFACTURER

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List Of Tables

LIST OF TABLES

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List Of Figures

LIST OF FIGURES

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