

Global PHA Foam 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 PHA Foam market size was valued at US\$ 309 million in 2025 and is forecast to a readjusted size of US\$ 672 million by 2032 with a CAGR of 11.7% during review period.

PHA foamed material is a green porous foamed product prepared by using polyhydroxyalkanoate (PHA) biodegradable resin as the base material through physical or chemical foaming, extrusion and molding processes. It features excellent cushioning, heat insulation, sound insulation and lightweight performance, and can be completely biodegraded in natural environments without harmful residues. As an eco-friendly alternative to traditional petroleum-based foamed plastics, it is widely used in cushioning packaging, cold chain insulation, disposable products and daily supplies. The global market size of PHA foamed materials reached 300 million US dollars in 2025.

PHA foamed materials hold distinct market shares across regions and applications, shaped by policy support, consumer preference for sustainability, and material performance. Regions with strict plastic waste rules take larger shares, while packaging and disposable goods lead in application demand, followed by insulation and biomedical uses. The competitive landscape is dynamic: some focus on core resin and foaming tech, others on cost control and application customization; collaboration between material makers and end-users is common, and innovation in fermentation, foaming, and modification drives differentiation. The outlook is positive: rising eco-policies and circular economy goals boost demand, while tech progress lowers costs and improves performance, expanding use scenarios. Challenges like cost and processing remain, but steady tech and market maturity will drive wider adoption as a green alternative to traditional foams.

This report is a detailed and comprehensive analysis for global PHA Foam market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Substrate Type Classification 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 PHA Foam market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global PHA Foam market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global PHA Foam market size and forecasts, by Substrate Type Classification and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global PHA Foam market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), 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 PHA Foam

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

To assess competitive factors affecting the marketplace

This report profiles key players in the global PHA Foam 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 Dongsung Chemical, WinCup, Helian Polymers B.V., Volar

Plastic Oy, Kaneka, Danimer Scientific, Tianjin GreenBio Materials Co., Ltd., etc.

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

Market Segmentation

PHA Foam market is split by Substrate Type Classification and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Substrate Type Classification, 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 Substrate Type Classification

PHB

PHBV

PHBHHx

P34HB

Others

Market segment by Morphology

Foam Beads

Foam Sheet

Foam Board

Others

Market segment by Process Classification

Chemical Foaming Method

Physical Foaming Method

Market segment by Application

Consumer Goods

Packaging and Transportation

Biomedical

Industrial and Environmental

Others

Major players covered

Dongsung Chemical

WinCup

Helian Polymers B.V.

Volar Plastic Oy

Kaneka

Danimer Scientific

Tianjin GreenBio Materials Co., Ltd.

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 PHA Foam product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of PHA Foam, with price, sales quantity, revenue, and global market share of PHA Foam from 2021 to 2026.

Chapter 3, the PHA Foam competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the PHA Foam 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 Substrate Type Classification and by Application, with sales market share and growth rate by Substrate Type Classification, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and PHA Foam market forecast, by regions, by Substrate Type Classification, 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 PHA Foam.

Chapter 14 and 15, to describe PHA Foam sales channel, distributors, customers,

research findings and conclusion.

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