

# Global PHA Microspheres and PHA Bioplastics Competitive Landscape Professional Research Report 2025

<https://marketpublishers.com/r/PD591C685AD7EN.html>

Date: June 2025

Pages: 165

Price: US\$ 3,500.00 (Single User License)

ID: PD591C685AD7EN

## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global PHA Microspheres and PHA Bioplastics market size will reach 158.80 Million USD in 2025 and is projected to reach 320.05 Million USD by 2032, with a CAGR of 10.53% (2025-2032). Notably, the China PHA Microspheres and PHA Bioplastics market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

PHA (Polyhydroxyalkanoates) microspheres and PHA bioplastics are biodegradable materials derived from renewable resources, primarily produced through microbial fermentation processes. PHA microspheres are tiny spherical particles of PHA, often used in applications such as drug delivery systems, cosmetics, and agricultural coatings due to their ability to encapsulate active ingredients and control their release over time. PHA bioplastics, on the other hand, are a family of biopolymers used as sustainable alternatives to traditional petroleum-based plastics. These bioplastics are fully biodegradable and compostable, making them an eco-friendly solution for packaging, textiles, and other consumer goods. Both PHA microspheres and bioplastics offer a promising alternative to synthetic materials, with applications ranging from environmental sustainability to innovative healthcare solutions, while helping to reduce plastic pollution and dependence on fossil fuels.

The major global manufacturers of PHA Microspheres and PHA Bioplastics include

Danimer Scientific, Kaneka, Newlight Technologies, Ningbo Tianan Biologic Material Co., Ltd., RWDC Industries, Nafigate Corporation, MedPHA Bioscience Co., Ltd., CJ CheilJedang, Ecomann Technology, Biomer, Genecis Bioindustries, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of PHA Microspheres and PHA Bioplastics. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global PHA Microspheres and PHA Bioplastics market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the PHA Microspheres and PHA Bioplastics market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of PHA Microspheres and PHA Bioplastics industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of PHA Microspheres and PHA Bioplastics Include:

Danimer Scientific

Kaneka

Newlight Technologies

Ningbo Tianan Biologic Material Co., Ltd.

RWDC Industries

Navigate Corporation

MedPHA Bioscience Co., Ltd.

CJ CheilJedang

Ecomann Technology

Biomer

Genecis Bioindustries

PHA Microspheres and PHA Bioplastics Product Segment Include:

PHA Bioplastics

PHA Microsphere

PHA Microspheres and PHA Bioplastics Product Application Include:

Packaging

Agriculture

Pharmaceutical and Medical

Others

## **Chapter Scope**

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