

# Global Bio-based Advanced Phase Change Materials (PCM) Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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# **Abstracts**

According to our (Global Info Research) latest study, the global Bio-based Advanced Phase Change Materials (PCM) market size was valued at USD 127 million in 2023 and is forecast to a readjusted size of USD 186.5 million by 2030 with a CAGR of 5.6% during review period.

The Global Info Research report includes an overview of the development of the Bio-based Advanced Phase Change Materials (PCM) industry chain, the market status of Building & Construction (Metallic Material, Non-metallic Material), Refrigeration (Metallic Material, Non-metallic Material), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Bio-based Advanced Phase Change Materials (PCM).

Regionally, the report analyzes the Bio-based Advanced Phase Change Materials (PCM) markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Bio-based Advanced Phase Change Materials (PCM) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Bio-based Advanced Phase Change Materials (PCM) market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Bio-based Advanced



Phase Change Materials (PCM) industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K MT), revenue generated, and market share of different by Type (e.g., Metallic Material, Non-metallic Material).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Bio-based Advanced Phase Change Materials (PCM) market.

Regional Analysis: The report involves examining the Bio-based Advanced Phase Change Materials (PCM) market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Bio-based Advanced Phase Change Materials (PCM) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Bio-based Advanced Phase Change Materials (PCM):

Company Analysis: Report covers individual Bio-based Advanced Phase Change Materials (PCM) manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Bio-based Advanced Phase Change Materials (PCM) This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Building & Construction, Refrigeration).

Technology Analysis: Report covers specific technologies relevant to Bio-based Advanced Phase Change Materials (PCM). It assesses the current state,



advancements, and potential future developments in Bio-based Advanced Phase Change Materials (PCM) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Bio-based Advanced Phase Change Materials (PCM) market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Bio-based Advanced Phase Change Materials (PCM) market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Metallic Material

Non-metallic Material

Market segment by Application

**Building & Construction** 

Refrigeration

Consumer Goods

Other

Major players covered

Henkel AG & Company



Honeywell
Croda International
Sasol Germany GmbH
Microtek Laboratories Inc
DuPont and Dow
Parker
Laird PLC
Phase Change Energy Solutions
Cryopak
SGL Carbon
Rubitherm Technologies GmbH
Cold Chain Technologies, Inc
PLUSS Advanced Technologies
Outlast Technologies
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)

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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 Advanced Phase Change Materials (PCM) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Bio-based Advanced Phase Change Materials (PCM), with price, sales, revenue and global market share of Bio-based Advanced Phase Change Materials (PCM) from 2019 to 2024.

Chapter 3, the Bio-based Advanced Phase Change Materials (PCM) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Bio-based Advanced Phase Change Materials (PCM) breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023.and Bio-based Advanced Phase Change Materials (PCM) market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Advanced Phase Change Materials (PCM).

Chapter 14 and 15, to describe Bio-based Advanced Phase Change Materials (PCM) sales channel, distributors, customers, research findings and conclusion.



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