

Advanced Phase Change Material Market Report: Trends, Forecast and Competitive Analysis to 2030

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Abstracts

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Advanced Phase Change Material Trends and Forecast

The future of the global advanced phase change material market looks promising with opportunities in the building & construction, energy storage, HVAC, shipping & transportation, electronic, and textile markets. The global advanced phase change material market is expected to reach an estimated \$2.9 billion by 2030 with a CAGR of 11.6% from 2024 to 2030. The major drivers for this market are growth in the market for effective materials for temperature control, increase in the significance of sustainable development and energy conservation, as well as, rising need for effective insulation in HVAC and commercial freezing applications.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

Advanced Phase Change Material by Segment

The study includes a forecast for the global advanced phase change material by type, application, and region.

Advanced Phase Change Material Market by Type [Shipment Analysis by Value from 2018 to 2030]:

Organic PCM

Inorganic PCM

Bio-Based PCM

Advanced Phase Change Material Market by Application [Shipment Analysis by Value from 2018 to 2030]:

Building & Construction

Energy Storage

HVAC

Shipping & Transportation

Electronics

Textiles

Others

Advanced Phase Change Material Market by Region [Shipment Analysis by Value from 2018 to 2030]:

North America

Europe

Asia Pacific

The Rest of the World

List of Advanced Phase Change Material Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments,

infrastructural development, and leverage integration opportunities across the value chain. With these strategies advanced phase change material companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the advanced phase change material companies profiled in this report include-

Pluss Advanced Technologies

DuPont

BASF SE

Entropy Solutions

Phase Change Energy Solutions

Advansa B.V

Cryopak

Advanced Phase Change Material Market Insights

Lucintel forecasts that bio-based is expected to witness the highest growth over the forecast period due to rising knowledge and demand for renewable resources, reinforced by government measures to minimize dependence on fossil fuels, as well as, increasing need for bio-based PCM across a range of industries, including food processing, textiles, and cold chain logistics.

APAC is expected to witness highest growth over the forecast period due to rising textile and manufacturing sectors, significant increase in the level of personal income and improvement of the financial situation of the consumers in the region.

Features of the Global Advanced Phase Change Material Market

Market Size Estimates: Advanced phase change material market size estimation in terms of value (\$B).

Trend and Forecast Analysis: Market trends (2018 to 2023) and forecast (2024 to 2030)

by various segments and regions.

Segmentation Analysis: Advanced phase change material market size by type, application, and region in terms of value (\$B).

Regional Analysis: Advanced phase change material market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different type, application, and regions for the advanced phase change material market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the advanced phase change material market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the advanced phase change material market size?

Answer: The global advanced phase change material market is expected to reach an estimated \$2.9 billion by 2030.

Q2. What is the growth forecast for advanced phase change material market?

Answer: The global advanced phase change material market is expected to grow with a CAGR of 11.6% from 2024 to 2030.

Q3. What are the major drivers influencing the growth of the advanced phase change material market?

Answer: The major drivers for this market are growth in the market for effective materials for temperature control, increase in the significance of sustainable development and energy conservation, as well as, rising need for effective insulation in HVAC and commercial freezing applications.

Q4. What are the major segments for advanced phase change material market?

Answer: The future of the global advanced phase change material market looks

promising with opportunities in the building & construction, energy storage, HVAC, shipping & transportation, electronic, and textile markets.

Q5. Who are the key advanced phase change material market companies?

Answer: Some of the key advanced phase change material companies are as follows:

Pluss Advanced Technologies

DuPont

BASF SE

Entropy Solutions

Phase Change Energy Solutions

Advansa B.V

Cryopak

Q6. Which advanced phase change material market segment will be the largest in future?

Answer: Lucintel forecasts that bio-based is expected to witness the highest growth over the forecast period due to rising knowledge and demand for renewable resources, reinforced by government measures to minimize dependence on fossil fuels, as well as, increasing need for bio-based PCM across a range of industries, including food processing, textiles, and cold chain logistics.

Q7. In advanced phase change material market, which region is expected to be the largest in next 5 years?

Answer: APAC is expected to witness highest growth over the forecast period due to rising textile and manufacturing sectors, significant increase in the level of personal income and improvement of the financial situation of the consumers in the region.

Q.8 Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% customization without any additional cost.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the advanced phase change material market by type (organic PCM, inorganic PCM, and bio-based PCM), application (building & construction, energy storage, HVAC, shipping & transportation, electronics, textiles, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to Advanced Phase Change Material Market, Advanced Phase Change Material Market Size, Advanced Phase Change Material Market Growth, Advanced Phase Change Material Market Analysis, Advanced Phase Change Material

Market Report, Advanced Phase Change Material Market Share, Advanced Phase Change Material Market Trends, Advanced Phase Change Material Market Forecast, Advanced Phase Change Material Companies, write Lucintel analyst at email: helpdesk@lucintel.com. We will be glad to get back to you soon.

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