

Global Advanced Phase Change Material (PCM) Market Size study, by Application (Building and construction, Commercial refrigeration, HVAC, Energy storage, Textile, Shipping, Transportation), by Material (Salt hydrates, Paraffin, Others) and Regional Forecasts 2022-2028

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Abstracts

Global Advanced Phase Change Material (PCM) Market is valued at approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2028. Advanced Phase Change Material (PCM) is material that experiences the process of phase change. Such materials collect, discharge or absorb heat as they oscillate between solid and liquid form. They discharge heat as they transform to a solid state and absorb as they go back to a liquid state. The government initiatives to reduce greenhouse gas emissions and large heat storage capacity has led to the adoption of Advanced Phase Change Material (PCM) across the forecast period. For Instance: as per the HINDUSTAN TIMES article, Govt plans a ₹65,000-crore project to reduce greenhouse gases from agriculture. The goal of the project, with a run period of 2018-2025, is to “sequester” 49.9 million tonnes of carbon gasses through improved agro-ecosystems. Also, with the R&D for novel materials, the adoption & demand for Advanced Phase Change Material (PCM) is likely to increase the market growth during the forecast period. However, high price impedes the growth of the market over the forecast period of 2022-2028.

The key regions considered for the global Advanced Phase Change Material (PCM) market study include Asia Pacific, North America, Europe, Latin America and Rest of the World. Europe is the leading region across the world in terms of market share owing to the increasing demand for energy-saving and environment-friendly technology.

Whereas, North America is also anticipated to exhibit the highest growth rate over the forecast period 2022-2028. Factors such as the shift from heavy thermal mass design to lightweight architecture would create lucrative growth prospects for the Advanced Phase Change Material (PCM) market across North America region.

Major market players included in this report are:

Henkel
Capzo International BV
Chomerics
Cosella-Dorfen
Dow Chemical
Dupont
Entropy Solutions Inc
BioPCM
Glacier Tek Inc
Global Cold Chain Solutions Pvt. Ltd.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

Building and construction
Commercial refrigeration
HVAC
Energy storage
Textile
Shipping
Transportation

By Material:

Salt hydrates
Paraffin
Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Advanced Phase Change Material (PCM) Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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