

Global Phase Change Material (PCM) Market Growth 2024-2030

<https://marketpublishers.com/r/G8D4AE5EBF13EN.html>

Date: January 2024

Pages: 134

Price: US\$ 3,660.00 (Single User License)

ID: G8D4AE5EBF13EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

According to our LPI (LP Information) latest study, the global Phase Change Material (PCM) market size was valued at US\$ 1022.6 million in 2023. With growing demand in downstream market, the Phase Change Material (PCM) is forecast to a readjusted size of US\$ 2354.9 million by 2030 with a CAGR of 12.7% during review period.

The research report highlights the growth potential of the global Phase Change Material (PCM) market. Phase Change Material (PCM) are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Phase Change Material (PCM). Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Phase Change Material (PCM) market.

A phase change material (PCM) is a substance with a high heat of fusion which, melting and solidifying at a certain temperature, is capable of storing and releasing large amounts of energy. Heat is absorbed or released when the material changes from solid to liquid and vice versa; thus, PCMs are classified as latent heat storage (LHS) units.

Key players operating in the Phase Change Material market are Henkel AG & Company, Honeywell, Croda International, Sasol Germany GmbH, Microtek Laboratories Inc, etc. Top 5 companies accounted for a combined market share about 42% of the world total. Henkel AG & Company, with a share of 17%, was the largest manufacturer among those companies. Europe is now the world's biggest producer and largest exporter of Phase Change Material, with approximately 31% of the global share.

Key Features:

The report on Phase Change Material (PCM) market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Phase Change Material (PCM) market. It may include historical data, market segmentation by Type (e.g., Organic, Inorganic), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Phase Change Material (PCM) market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Phase Change Material (PCM) market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Phase Change Material (PCM) industry. This include advancements in Phase Change Material (PCM) technology, Phase Change Material (PCM) new entrants, Phase Change Material (PCM) new investment, and other innovations that are shaping the future of Phase Change Material (PCM).

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Phase Change Material (PCM) market. It includes factors influencing customer ' purchasing decisions, preferences for Phase Change Material (PCM) product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Phase Change Material (PCM) market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Phase Change Material (PCM) market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental

impact and sustainability aspects of the Phase Change Material (PCM) market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Phase Change Material (PCM) industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Phase Change Material (PCM) market.

Market Segmentation:

Phase Change Material (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.

Segmentation by type

Organic

Inorganic

Bio-based

Segmentation by application

Building & Construction

Refrigeration & Logistics

Textile

Electronics

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

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

PLUS Advanced Technologies

Outlast Technologies

Key Questions Addressed in this Report

What is the 10-year outlook for the global Phase Change Material (PCM) market?

What factors are driving Phase Change Material (PCM) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Phase Change Material (PCM) market opportunities vary by end market size?

How does Phase Change Material (PCM) break out type, application?

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