

Global Phase Change Material (PCM) Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Phase Change Material (PCM) market size will reach 1,469.27 Million USD in 2025 and is projected to reach 2,256.35 Million USD by 2032, with a CAGR of 6.32% (2025-2032). Notably, the China Phase Change Material (PCM) 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

Phase Change Material (PCM) is a substance that undergoes a phase transition, changing its physical state between solid and liquid, and sometimes between solid and gas, at specific temperatures. This transition involves absorbing or releasing a significant amount of latent heat, providing effective thermal energy storage. PCMs are used in various applications, particularly in the fields of energy storage and thermal management. For example, they are employed in building materials to regulate indoor temperatures, in clothing for thermal comfort, and in electronic devices to manage heat dissipation. The ability of PCMs to store and release energy during phase transitions makes them valuable for applications where temperature control and energy efficiency are critical. Common PCM materials include paraffin wax, fatty acids, and salt hydrates, each with specific phase change temperatures tailored to the desired application.

The major global manufacturers of Phase Change Material (PCM) include Henkel, 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, 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 Phase Change Material (PCM). 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 Phase Change Material (PCM) 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 Phase Change Material (PCM) 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 Phase Change Material (PCM) 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 Phase Change Material (PCM) Include:

Henkel

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

Phase Change Material (PCM) Product Segment Include:

Organic

Inorganic

Bio-based

Phase Change Material (PCM) Product Application Include:

Building & Construction

Refrigeration & Logistics

Textile

Electronics

Others

Chapter Scope

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

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