

Bio-based Advanced Phase Change Materials (PCM) Market Research: Global Status & Forecast by Geography, Type & Application (2015-2025)

https://marketpublishers.com/r/B7F98872BD7EN.html

Date: July 2019

Pages: 59

Price: US\$ 2,280.00 (Single User License)

ID: B7F98872BD7EN

Abstracts

According to 99Strategy, the Global Bio-based Advanced Phase Change Materials (PCM) Market is estimated to reach xxx million USD in 2019 and projected to grow at the CAGR of xx% during the 2020-2025. The report analyses the global Bio-based Advanced Phase Change Materials (PCM) market, the market size and growth, as well as the major market participants.

The analysis includes market size, upstream situation, market segmentation, market segmentation, price & cost and industry environment. In addition, the report outlines the factors driving industry growth and the description of market channels. The report begins from overview of industrial chain structure, and describes the upstream. Besides, the report analyses market size and forecast in different geographies, type and end-use segment, in addition, the report introduces market competition overview among the major companies and companies profiles, besides, market price and channel features are covered in the report.

Key Regions

Asia Pacific

North America

Europe

South America



Middle East & Africa

| Key Companies | | |
|-------------------------------|--|--|
| BASF | | |
| Honeywell | | |
| Cryopak | | |
| Entropy Solutions Inc. | | |
| Climator Sweden AB | | |
| Phase Change Energy Solutions | | |
| Outlast Technologies | | |
| Dow Building Solutions | | |
| E.I. Du Pont | | |
| Chemours Company | | |
| PCM Energy Ltd | | |
| Rubitherm Technologies GmbH | | |
| Key Product Type | | |
| Metallic Material | | |
| Non-metallic Material | | |

Market by Application



| Building & Construction | |
|-------------------------|--|
| Refrigeration | |
| Consumer Goods | |
| Others | |
| | |

Main Aspects covered in the Report

Overview of the Bio-based Advanced Phase Change Materials (PCM) market including production, consumption, status & forecast and market growth

2015-2018 historical data and 2019-2025 market forecast

Geographical analysis including major countries

Overview the product type market including development

Overview the end-user market including development



Contents

1 INDUSTRIAL CHAIN OVERVIEW

- 1.1 Bio-based Advanced Phase Change Materials (PCM) Industry
 - 1.1.1 Overview
- 1.1.2 Characteristics of Bio-based Advanced Phase Change Materials (PCM)
- 1.2 Upstream
 - 1.2.1 Major Materials
 - 1.2.2 Manufacturing Overview
- 1.3 Product List By Type
 - 1.3.1 Metallic Material
 - 1.3.2 Non-metallic Material
- 1.4 End-Use List
 - 1.4.1 Demand in Building & Construction
 - 1.4.2 Demand in Refrigeration
 - 1.4.3 Demand in Consumer Goods
 - 1.4.4 Demand in Others
- 1.5 Global Market Overview
 - 1.5.1 Global Market Size and Forecast, 2015-2025
 - 1.5.2 Global Market Size and Forecast by Geography with CAGR, 2015-2025
 - 1.5.3 Global Market Size and Forecast by Product Type with CAGR, 2015-2025
 - 1.5.4 Global Market Size and Forecast by End-Use with CAGR, 2015-2025

2 GLOBAL PRODUCTION & CONSUMPTION BY GEOGRAPHY

- 2.1 Global Production & Consumption
 - 2.1.1 Global Production
 - 2.1.2 Global Consumption
- 2.2 Geographic Production & Consumption
 - 2.2.1 Production
 - 2.2.1.1 Asia-Pacific
 - 2.2.1.2 North America
 - 2.2.1.3 South America
 - 2.2.1.4 Europe
 - 2.2.1.5 Middle East & Africa
 - 2.2.2 Consumption
 - 2.2.2.1 Asia-Pacific
 - 2.2.2.2 North America



- 2.2.2.3 South America
- 2.2.2.4 Europe
- 2.2.2.5 Middle East & Africa

3 MAJOR MANUFACTURERS INTRODUCTION

- 3.1 Manufacturers Overview
- 3.2 Manufacturers List
 - 3.2.1 BASF Overview
 - 3.2.1.1 Product Specifications
 - 3.2.1.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.1.3 Recent Developments
 - 3.2.1.4 Future Strategic Planning
 - 3.2.2 Honeywell Overview
 - 3.2.2.1 Product Specifications
 - 3.2.2.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.2.3 Recent Developments
 - 3.2.2.4 Future Strategic Planning
 - 3.2.3 Cryopak Overview
 - 3.2.3.1 Product Specifications
 - 3.2.3.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.3.3 Recent Developments
 - 3.2.3.4 Future Strategic Planning
 - 3.2.4 Entropy Solutions Inc. Overview
 - 3.2.4.1 Product Specifications
 - 3.2.4.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.4.3 Recent Developments
 - 3.2.4.4 Future Strategic Planning
 - 3.2.5 Climator Sweden AB Overview
 - 3.2.5.1 Product Specifications
 - 3.2.5.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.5.3 Recent Developments
 - 3.2.5.4 Future Strategic Planning
 - 3.2.6 Phase Change Energy Solutions Overview



- 3.2.6.1 Product Specifications
- 3.2.6.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.6.3 Recent Developments
 - 3.2.6.4 Future Strategic Planning
 - 3.2.7 Outlast Technologies Overview
 - 3.2.7.1 Product Specifications
 - 3.2.7.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.7.3 Recent Developments
 - 3.2.7.4 Future Strategic Planning
 - 3.2.8 Dow Building Solutions Overview
 - 3.2.8.1 Product Specifications
 - 3.2.8.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.8.3 Recent Developments
 - 3.2.8.4 Future Strategic Planning
 - 3.2.9 E.I. Du Pont Overview
 - 3.2.9.1 Product Specifications
 - 3.2.9.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.9.3 Recent Developments
 - 3.2.9.4 Future Strategic Planning
 - 3.2.10 Chemours Company Overview
 - 3.2.10.1 Product Specifications
 - 3.2.10.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.10.3 Recent Developments
 - 3.2.10.4 Future Strategic Planning
 - 3.2.11 PCM Energy Ltd Overview
 - 3.2.11.1 Product Specifications
 - 3.2.11.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)
 - 3.2.11.3 Recent Developments
 - 3.2.11.4 Future Strategic Planning
 - 3.2.12 Rubitherm Technologies GmbH Overview
 - 3.2.12.1 Product Specifications
 - 3.2.12.2 Business Data (Production Volume (Volume), Production Amount (Million
- USD), Price, Cost, Margin)



- 3.2.12.3 Recent Developments
- 3.2.12.4 Future Strategic Planning

4 MARKET COMPETITION PATTERN

- 4.1 Market Size and Sketch
- 4.2 Company Market Share
 - 4.2.1 Global Production by Major Manufacturers
 - 4.2.2 Market Concentration Analysis
- 4.3 Market News and Trend
 - 4.3.1 Merger & Acquisition
 - 4.3.2 New Product Launch

5 PRODUCT TYPE SEGMENT

- 5.1 Global Overview by Product Type Segment
- 5.2 Segment Subdivision by Product Type
 - 5.2.1 Market in Metallic Material
 - 5.2.1.1 Market Size
 - 5.2.1.2 Situation & Development
 - 5.2.2 Market in Non-metallic Material
 - 5.2.2.1 Market Size
 - 5.2.2.2 Situation & Development

6 END-USE SEGMENT

- 6.1 Global Overview by End-Use Segment
- 6.2 Segment Subdivision
 - 6.2.1 Market in Building & Construction
 - 6.2.1.1 Market Size
 - 6.2.1.2 Situation & Development
 - 6.2.2 Market in Refrigeration
 - 6.2.2.1 Market Size
 - 6.2.2.2 Situation & Development
 - 6.2.3 Market in Consumer Goods
 - 6.2.3.1 Market Size
 - 6.2.3.2 Situation & Development
 - 6.2.4 Market in Others
 - 6.2.4.1 Market Size



6.2.4.2 Situation & Development

7 MARKET FORECAST & TREND

- 7.1 Regional Forecast
- 7.2 Consumption Forecast
 - 7.2.1 Product Type Forecast
 - 7.2.2 End-Use Forecast
- 7.3 Investment Trend
- 7.4 Consumption Trend

8 PRICE & CHANNEL

- 8.1 Price and Cost
 - 8.1.1 Price
 - 8.1.2 Cost
- 8.2 Channel Segment

9 MARKET DRIVERS & INVESTMENT ENVIRONMENT

- 9.1 Market Drivers
- 9.2 Investment Environment

10 RESEARCH CONCLUSION



List Of Tables

LIST OF TABLES

Table Global Market Size and Forecast by Geography with Growth Rate, 2015-2025
Table Global Market Size and Forecast by Type with Growth Rate, 2015-2025
Table Global Market Size and Forecast by End-Use with Growth Rate, 2015-2025
Table Global Production Volume Status and Growth Rate by Geography, 2015-2018, in Volume

Table Global Production Amount Status and Growth Rate by Geography, 2015-2018, in Million USD

Table Global Market Volume and Growth Rate by Geography, 2015-2018, in Volume Table Global Market Amount and Growth Rate by Geography, 2015-2018, in Million USD

Table Asia-Pacific Production Volume Status and Growth Rate by Region, 2015-2018, in Volume

Table Asia-Pacific Production Amount Status and Growth Rate by Region, 2015-2018, in Million USD

Table North America Production Volume Status and Growth Rate by Region, 2015-2018, in Volume

Table North America Production Amount Status and Growth Rate by Region, 2015-2018, in Million USD

Table South America Production Volume Status and Growth Rate by Region, 2015-2018, in Volume

Table South America Production Amount Status and Growth Rate by Region, 2015-2018. in Million USD

Table Europe Production Volume Status and Growth Rate by Region, 2015-2018, in Volume

Table Europe Production Amount Status and Growth Rate by Region, 2015-2018, in Million USD

Table Middle East & Africa Production Volume Status and Growth Rate by Region, 2015-2018, in Volume

Table Middle East & Africa Production Amount Status and Growth Rate by Region, 2015-2018, in Million USD

Table Asia-Pacific Market Volume and Growth Rate by Region, 2015-2018, in Volume Table Asia-Pacific Market Amount and Growth Rate by Region, 2015-2018, in Million USD

Table North America Market Volume and Growth Rate by Region, 2015-2018, in Volume



Table North America Market Amount and Growth Rate by Region, 2015-2018, in Million USD

Table Europe Market Volume and Growth Rate by Region, 2015-2018, in Volume Table South America Market Amount and Growth Rate by Region, 2015-2018, in Million USD

Table Europe Market Volume and Growth Rate by Region, 2015-2018, in Volume Table Europe Market Amount and Growth Rate by Region, 2015-2018, in Million USD Table Middle East & Africa Market Volume and Growth Rate by Region, 2015-2018, in Volume

Table Middle East & Africa Market Amount and Growth Rate by Region, 2015-2018, in Million USD

Table Major Manufacturers Headquarters and Contact Information

Table Major Manufacturers Capacity List in 2018

Table BASF Overview List

Table Bio-based Advanced Phase Change Materials (PCM) Business Operation of BASF (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Honeywell Overview List

Table Bio-based Advanced Phase Change Materials (PCM) Business Operation of Honeywell (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Cryopak Overview List

Table Bio-based Advanced Phase Change Materials (PCM) Business Operation of Cryopak (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Entropy Solutions Inc. Overview List

Table Bio-based Advanced Phase Change Materials (PCM) Business Operation of Entropy Solutions Inc. (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Climator Sweden AB Overview List

Table Bio-based Advanced Phase Change Materials (PCM) Business Operation of Climator Sweden AB (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Phase Change Energy Solutions Overview List

Table Bio-based Advanced Phase Change Materials (PCM) Business Operation of Phase Change Energy Solutions (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Outlast Technologies Overview List

Table Bio-based Advanced Phase Change Materials (PCM) Business Operation of



Outlast Technologies (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Dow Building Solutions Overview List

Table Bio-based Advanced Phase Change Materials (PCM) Business Operation of Dow Building Solutions (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table E.I. Du Pont Overview List

Table Bio-based Advanced Phase Change Materials (PCM) Business Operation of E.I. Du Pont (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Chemours Company Overview List

Table Bio-based Advanced Phase Change Materials (PCM) Business Operation of Chemours Company (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table PCM Energy Ltd Overview List

Table Bio-based Advanced Phase Change Materials (PCM) Business Operation of PCM Energy Ltd (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Rubitherm Technologies GmbH Overview List

Table Bio-based Advanced Phase Change Materials (PCM) Business Operation of Rubitherm Technologies GmbH (Production Volume (Volume), Production Amount (Million USD), Price, Cost, Gross Margin)

Table Global Production Volume List by Manufacturers, 2015-2018, in Volume Table Global Production Volume Share List by Manufacturers, 2015-2018, in Volume Table Global Production Amount List by Manufacturers, 2015-2018, in Million USD Table Global Production Amount Share List by Manufacturers, 2015-2018, in Million USD

Table Global Market Status and Growth Rate by Product Type Segment, 2015-2018, in Million USD

Table Global Market Status and Growth Rate by Product Type Segment 2015-2018, in Volume

Table Global Market Status and Growth Rate by End-Use Segment, 2015-2018, in Million USD

Table Global Market Status and Growth Rate by End-Use Segment 2015-2018, in Volume

Table Global Market Forecast by Region Segment 2019-2025, in Million USD

Table Global Market Forecast by Region Segment 2019-2025, in Volume

Table Global Market Amount by Product Type Segment 2019-2025, in Million USD

Table Global Market Volume by Product Type Segment 2019-2025, in Volume



Table Global Market Amount by End-Use Segment 2019-2025, in Million USD Table Global Market Volume by End-Use Segment 2019-2025, in Volume



List Of Figures

LIST OF FIGURES

Figure Bio-based Advanced Phase Change Materials (PCM) Picture List
Figure Global Market Size and Forecast with Growth Rate, 2015-2025
Figure Global Production Volume Status and Growth Rate, 2015-2018, in Volume
Figure Global Production Amount Status and Growth Rate, 2015-2018, in Million USD
Figure Global Market Volume and Growth Rate, 2015-2018, in Volume
Figure Global Market Amount and Growth Rate, 2015-2018, in Million USD
Figure Asia-Pacific Production Volume Status and Growth Rate, 2015-2018, in Volume
Figure Asia-Pacific Production Amount Status and Growth Rate, 2015-2018, in Million
USD

Figure North America Production Volume Status and Growth Rate, 2015-2018, in Volume

Figure North America Production Amount Status and Growth Rate, 2015-2018, in Million USD

Figure South America Production Volume Status and Growth Rate, 2015-2018, in Volume

Figure South America Production Amount Status and Growth Rate, 2015-2018, in Million USD

Figure Europe Production Volume Status and Growth Rate, 2015-2018, in Volume Figure Europe Production Amount Status and Growth Rate, 2015-2018, in Million USD Figure Middle East & Africa Production Volume Status and Growth Rate, 2015-2018, in Volume

Figure Middle East & Africa Production Amount Status and Growth Rate, 2015-2018, in Million USD

Figure Asia-Pacific Market Volume and Growth Rate, 2015-2018, in Volume Figure Asia-Pacific Market Amount and Growth Rate, 2015-2018, in Million USD Figure North America Market Volume and Growth Rate, 2015-2018, in Volume Figure North America Market Amount and Growth Rate, 2015-2018, in Million USD Figure Europe Market Volume and Growth Rate, 2015-2018, in Volume

Figure South America Market Amount and Growth Rate, 2015-2018, in Million USD

Figure Europe Market Volume and Growth Rate, 2015-2018, in Volume

Figure Europe Market Amount and Growth Rate, 2015-2018, in Million USD

Figure Middle East & Africa Market Volume and Growth Rate, 2015-2018, in Volume Figure Middle East & Africa Market Amount and Growth Rate, 2015-2018, in Million

USD

Figure Global Production Volume Share by Manufacturers in 2019, in Volume



Figure Global Production Amount Share by Manufacturers in 2019, in Million USD Figure Global Market Amount and Growth Rate in Metallic Material, 2015-2018, in USD Million

Figure Global Market Amount and Growth Rate in Metallic Material, 2015-2018, in Volume

Figure Global Market Amount and Growth Rate in Non-metallic Material, 2015-2018, in USD Million

Figure Global Market Amount and Growth Rate in Non-metallic Material, 2015-2018, in Volume

Figure Global Market Amount and Growth Rate in Building & Construction , 2015-2018, in USD Million

Figure Global Market Amount and Growth Rate in Building & Construction , 2015-2018, in Volume

Figure Global Market Amount and Growth Rate in Refrigeration , 2015-2018, in USD Million

Figure Global Market Amount and Growth Rate in Refrigeration, 2015-2018, in Volume Figure Global Market Amount and Growth Rate in Consumer Goods, 2015-2018, in USD Million

Figure Global Market Amount and Growth Rate in Consumer Goods , 2015-2018, in Volume

Figure Global Market Amount and Growth Rate in Others, 2015-2018, in USD Million Figure Global Market Amount and Growth Rate in Others, 2015-2018, in Volume



I would like to order

Product name: Bio-based Advanced Phase Change Materials (PCM) Market Research: Global Status &

Forecast by Geography, Type & Application (2015-2025)

Product link: https://marketpublishers.com/r/B7F98872BD7EN.html

Price: US\$ 2,280.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

Payment

First name

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/B7F98872BD7EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

| Last name: | |
|---------------|---------------------------|
| Email: | |
| Company: | |
| Address: | |
| City: | |
| Zip code: | |
| Country: | |
| Tel: | |
| Fax: | |
| Your message: | |
| | |
| | |
| | |
| | **All fields are required |
| | Custumer signature |
| | |
| | |

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

