

# **Polychlorotrifluoroethylene (PCTFE) Market Size, Share & Trends Analysis Report By Application (Films, Wires & Tubes, Coatings), By End Use (Pharmaceutical, Electrical & Electronics, Aerospace), By Region, And Segment Forecasts, 2018 - 2025**

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## **Abstracts**

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The global polychlorotrifluoroethylene market size is expected to reach USD 683.1 million by 2025, according to a new report by Grand View Research, Inc., clocking in a 4.0% CAGR during the forecast period. Rising demand for polychlorotrifluoroethylene (PCTFE) in the aerospace industry to manufacture diaphragms, valve seats, and gaskets on account of its light weight and superior thermal resistance is likely to drive market growth.

Increasing penetration of PCTFE as moisture barrier films in the pharmaceutical industry is expected to positively impact the market over the forecast period. Furthermore, PCTFE films are extensively used in manufacturing blister packaging, thus promoting its use in the pharmaceutical industry.

PCTFE exhibits low gas and vapor permeability, high melt processability, low melting temperature, and superior cold flow characteristics. These properties make it ideal for injection molding and extrusion processes, by means of which PCTFE can be molded into a wide range of desired shapes and structures. As a result, expansion of molding industry is likely to have a positive impact on the PCTFE market.

High raw material cost and relatively lower production volumes of PCTFE as compared to its counterparts increases overall product cost. This factor has limited the penetration

of PCTFE in application industries despite its inherent advantages. Furthermore, it exhibits low thermal and chemical resistance as compared to low-cost alternatives such as PTFE, which is expected to hamper market growth.

Further key findings from the report suggest:

By application, the coatings segment is expected to register a CAGR of 4.1% over the projected period owing to rising demand for manufacturing electronic and aerospace components

Films was the largest application segment in 2016, accounting for 38.2% of the market owing to widespread use as a moisture barrier film in the pharmaceutical and electrical and electronics industry

By end use, the electrical and electronics segment is expected to exhibit the highest CAGR of 5.2% owing to high demand for PCTFE coatings and films in the manufacturing of printed circuit boards and semiconductors

Asia Pacific accounted for around 44.0% of the PCTFE market in 2016 and is expected to dominate over the forecast period on account of rapid growth of aerospace, pharmaceutical, and electronics industries

Several industry participants are expected to adopt production capacity expansion strategies to serve increasing consumer demand and gain a larger market share. Furthermore, presence of limited suppliers in the PCTFE industry reduces the bargaining power of buyers, resulting in lower price flexibility.

## Contents

### CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Research Methodology
- 1.2 Research Scope and Assumptions
- 1.3 List to Data Sources
- 1.4 List of Abbreviations

### CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Polychlorotrifluoroethylene Market Snapshot

### CHAPTER 3 MARKET VARIABLES, TRENDS & SCOPE

- 3.1 Polychlorotrifluoroethylene Market Segmentation
- 3.2 Polychlorotrifluoroethylene Market - Penetration and Growth Prospect Mapping
- 3.3 Raw Material Trends
- 3.4 Polychlorotrifluoroethylene Market - Value chain analysis
- 3.5 Regulatory Framework
- 3.6 Polychlorotrifluoroethylene - Market Dynamics
  - 3.6.1 Market Driver Analysis
    - 3.6.1.1 Superior properties of PCTFE fueling market growth
    - 3.6.1.2 Robust growth in end-use industries
  - 3.6.2 Market restraint Analysis
    - 3.6.2.1 High product prices
- 3.7 Polychlorotrifluoroethylene Market - Porter's

### CHAPTER 4 POLYCHLOROTRIFLUOROETHYLENE MARKET: APPLICATION ESTIMATES & TREND ANALYSIS

- 4.1 Market: Application movement analysis, 2016 & 2025
- 4.2 Films
  - 4.2.1 Market estimates and forecasts, for films, 2014 - 2025 (USD Million)
- 4.3 Wires & tubes
  - 4.3.1 Market estimates and forecasts, for wire & tube, 2014 - 2025 (USD Million)
- 4.4 Coatings
  - 4.4.1 Market estimates and forecasts, for coatings, 2014 - 2025 (USD Million)
- 4.5 Others

4.5.1 Market estimates and forecasts, for others, 2014 - 2025 (USD Million)

## **CHAPTER 5 POLYCHLOROTRIFLUOROETHYLENE MARKET: END-USE ESTIMATES & TREND ANALYSIS**

5.1 Market: End-use movement analysis, 2016 & 2025

5.2 Pharmaceutical

5.2.1 Market estimates and forecasts, for pharmaceutical, 2014 - 2025 (USD Million)

5.3 Electrical & electronics

5.3.1 Market estimates and forecasts, for Electrical & electronics, 2014 - 2025 (USD Million)

5.4 Aerospace

5.4.1 Market estimates and forecasts, for aerospace, 2014 - 2025 (USD Million)

5.5 Others

5.5.1 Market estimates and forecasts, for others, 2014 - 2025 (USD Million)

## **CHAPTER 6 POLYCHLOROTRIFLUOROETHYLENE MARKET: REGIONAL ESTIMATES & TREND ANALYSIS**

6.1 Regional Movement Analysis & Market Share, 2016 & 2025

6.2 North America

6.2.1 Market estimates and forecasts, 2014 - 2025 (USD Million)

6.2.2 Market estimates and forecasts, by application (USD Million)

6.2.3 Market estimates and forecasts, by end-use (USD Million)

6.2.4 U.S.

6.2.4.1 Market estimates and forecasts, 2014 - 2025 (USD Million)

6.2.4.2 Market estimates and forecasts, by application (USD Million)

6.2.4.3 Market estimates and forecasts, by end-use (USD Million)

6.3 Europe

6.3.1 Market estimates and forecasts, 2014 - 2025 (USD Million)

6.3.2 Market estimates and forecasts, by application (USD Million)

6.3.3 Market estimates and forecasts, by end-use (USD Million)

6.3.4 U.K.

6.3.4.1 Market estimates and forecasts, 2014 - 2025 (USD Million)

6.3.4.2 Market estimates and forecasts, by application (USD Million)

6.3.4.3 Market estimates and forecasts, by end-use (USD Million)

6.3.5 Germany

6.3.5.1 Market estimates and forecasts, 2014 - 2025 (USD Million)

6.3.5.2 Market estimates and forecasts, by application (USD Million)

6.3.5.3 Market estimates and forecasts, by end-use (USD Million)

## 6.4 Asia Pacific

6.4.1 Market estimates and forecasts, 2014 - 2025 (USD Million)

6.4.2 Market estimates and forecasts, by application (USD Million)

6.4.3 Market estimates and forecasts, by end-use (USD Million)

### 6.4.4 China

6.4.4.1 Market estimates and forecasts, 2014 - 2025 (USD Million)

6.4.4.2 Market estimates and forecasts, by application (USD Million)

6.4.4.3 Market estimates and forecasts, by end-use (USD Million)

### 6.4.5 India

6.4.5.1 Market estimates and forecasts, 2014 - 2025 (USD Million)

6.4.5.2 Market estimates and forecasts, by application (USD Million)

6.4.5.3 Market estimates and forecasts, by end-use (USD Million)

## 6.5 Central & South America

6.5.1 Market estimates and forecasts, 2014 - 2025 (USD Million)

6.5.2 Market estimates and forecasts, by application (USD Million)

6.5.3 Market estimates and forecasts, by end-use (USD Million)

### 6.5.4 Brazil

6.5.4.1 Market estimates and forecasts, 2014 - 2025 (USD Million)

6.5.4.2 Market estimates and forecasts, by application (USD Million)

6.5.4.3 Market estimates and forecasts, by end-use (USD Million)

## 6.6 Middle East & Africa

6.6.1 Market estimates and forecasts, 2014 - 2025 (USD Million)

6.6.2 Market estimates and forecasts, by application (USD Million)

6.6.3 Market estimates and forecasts, by end-use (USD Million)

## **CHAPTER 7 COMPETITIVE LANDSCAPE**

7.1 Vendor Landscape

7.2 Competitive Environment

7.3 Competitive Market Positioning

7.4 Strategy Framework

## **CHAPTER 8 COMPANY PROFILES**

8.1 Daikin Industries, Ltd.

8.1.1 Company Overview

8.1.2 Financial Performance

8.1.3 Product Benchmarking

#### 8.1.4 Strategic Initiatives

### 8.2 Honeywell International Inc.

#### 8.2.1 Company Overview

#### 8.2.2 Financial Performance

#### 8.2.3 Product Benchmarking

#### 8.2.4 Strategic Initiatives

### 8.3 Arkema S.A.

#### 8.3.1 Company Overview

#### 8.3.2 Financial Performance

#### 8.3.3 Product Benchmarking

#### 8.3.4 Strategic Initiatives

## List Of Tables

### LIST OF TABLES

Table 1 List of Abbreviation

Table 2 Polychlorotrifluoroethylene market revenue, for films, 2014 - 2025 (USD Million)

Table 3 Polychlorotrifluoroethylene market revenue, for wire & tube, 2014 - 2025 (USD Million)

Table 4 Polychlorotrifluoroethylene market revenue, for coatings, 2014 - 2025 (USD Million)

Table 5 Polychlorotrifluoroethylene market revenue, for others, 2014 - 2025 (USD Million)

Table 6 Polychlorotrifluoroethylene market revenue, for pharmaceutical, 2014 - 2025 (USD Million)

Table 7 Polychlorotrifluoroethylene market revenue, for electrical & electronics, 2014 - 2025 (USD Million)

Table 8 Polychlorotrifluoroethylene market revenue, for aerospace, 2014 - 2025 (USD Million)

Table 9 Polychlorotrifluoroethylene market revenue, for others, 2014 - 2025 (USD Million)

Table 10 North America polychlorotrifluoroethylene market revenue, 2014 - 2025 (USD Million)

Table 11 North America polychlorotrifluoroethylene market revenue by application, 2014 - 2025 (USD Million)

Table 12 North America polychlorotrifluoroethylene market revenue by end-use, 2014 - 2025 (USD Million)

Table 13 U.S. polychlorotrifluoroethylene market revenue, 2014 - 2025 (USD Million)

Table 14 U.S. polychlorotrifluoroethylene market revenue by application, 2014 - 2025 (USD Million)

Table 15 U.S. polychlorotrifluoroethylene market revenue by end-use, 2014 - 2025 (USD Million)

Table 16 Europe polychlorotrifluoroethylene market revenue, 2014 - 2025 (USD Million)

Table 17 Europe polychlorotrifluoroethylene market revenue by application, 2014 - 2025 (USD Million)

Table 18 Europe polychlorotrifluoroethylene market revenue by end-use, 2014 - 2025 (USD Million)

Table 19 U.K. polychlorotrifluoroethylene market revenue, 2014 - 2025 (USD Million)

Table 20 U.K. polychlorotrifluoroethylene market revenue by application, 2014 - 2025 (USD Million)

Table 21 U.K. polychlorotrifluoroethylene market revenue by end-use, 2014 - 2025 (USD Million)

Table 22 Germany polychlorotrifluoroethylene market revenue, 2014 - 2025 (USD Million)

Table 23 Germany polychlorotrifluoroethylene market revenue by application, 2014 - 2025 (USD Million)

Table 24 Germany polychlorotrifluoroethylene market revenue by end-use, 2014 - 2025 (USD Million)

Table 25 Asia Pacific polychlorotrifluoroethylene market revenue, 2014 - 2025 (USD Million)

Table 26 Asia Pacific polychlorotrifluoroethylene market revenue by application, 2014 - 2025 (USD Million)

Table 27 Asia Pacific polychlorotrifluoroethylene market revenue by end-use, 2014 - 2025 (USD Million)

Table 28 China polychlorotrifluoroethylene market revenue, 2014 - 2025 (USD Million)

Table 29 China polychlorotrifluoroethylene market revenue by application, 2014 - 2025 (USD Million)

Table 30 China polychlorotrifluoroethylene market revenue by end-use, 2014 - 2025 (USD Million)

Table 31 India polychlorotrifluoroethylene market revenue, 2014 - 2025 (USD Million)

Table 32 India polychlorotrifluoroethylene market revenue by application, 2014 - 2025 (USD Million)

Table 33 India polychlorotrifluoroethylene market revenue by end-use, 2014 - 2025 (USD Million)

Table 34 Central & South America polychlorotrifluoroethylene market revenue, 2014 - 2025 (USD Million)

Table 35 Central & South America polychlorotrifluoroethylene market revenue by application, 2014 - 2025 (USD Million)

Table 36 Central & South America polychlorotrifluoroethylene market revenue by end-use, 2014 - 2025 (USD Million)

Table 37 Brazil polychlorotrifluoroethylene market revenue, 2014 - 2025 (USD Million)

Table 38 Brazil polychlorotrifluoroethylene market revenue by application, 2014 - 2025 (USD Million)

Table 39 Brazil polychlorotrifluoroethylene market revenue by end-use, 2014 - 2025 (USD Million)

Table 40 Middle East & Africa polychlorotrifluoroethylene market revenue, 2014 - 2025 (USD Million)

Table 41 Middle East & Africa polychlorotrifluoroethylene market revenue by application, 2014 - 2025 (USD Million)



Table 42 Middle East & Africa polychlorotrifluoroethylene market revenue by end-use, 2014 - 2025 (USD Million)

## List Of Figures

### LIST OF FIGURES

- Fig.1 Polychlorotrifluoroethylene Market snapshot
- Fig.2 Polychlorotrifluoroethylene Market segmentation
- Fig.3 Polychlorotrifluoroethylene market revenue, 2014 - 2025 (USD Million)
- Fig.4 Polychlorotrifluoroethylene market - Value chain analysis
- Fig.5 Polychlorotrifluoroethylene - Market Dynamics
- Fig.6 Polychlorotrifluoroethylene market driver impact
- Fig.7 Polychlorotrifluoroethylene market driver impact
- Fig.8 Polychlorotrifluoroethylene market - Porter's Analysis
- Fig.9 Polychlorotrifluoroethylene market: Application movement analysis, 2016 & 2025
- Fig.10 Polychlorotrifluoroethylene market: End-use movement analysis, 2016 & 2025
- Fig.11 Polychlorotrifluoroethylene regional market: Key takeaways
- Fig.12 Polychlorotrifluoroethylene market: Regional movement analysis, 2016 & 2025
- Fig.13 Polychlorotrifluoroethylene market - Strategy Framework

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