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Global Thermally Conductive Plastics Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Thermally Conductive Plastics market size will reach 11,902 Million USD in 2025 and is projected to reach 30,784 Million USD by 2032, with a CAGR of 14.54% (2025-2032). Notably, the China Thermally Conductive Plastics 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

Thermally conductive plastics are a class of polymer materials engineered to exhibit enhanced thermal conductivity, allowing them to efficiently transfer heat. These plastics are formulated by incorporating thermally conductive fillers, such as ceramics or metal particles, into the polymer matrix. The resulting composite material combines the mechanical properties of plastics with improved thermal conductivity, making it suitable for applications in which efficient heat dissipation is crucial. Thermally conductive plastics find use in various industries, including electronics, automotive, and aerospace, where they are employed in components like heat sinks, LED housings, and electronic enclosures. This innovative material provides an alternative to traditional metal heat sinks and allows for the design of lightweight and cost-effective solutions for thermal management in diverse applications.

The major global manufacturers of Thermally Conductive Plastics include Celanese, DSM, Covestro, SABIC, Avient, RTP, FRD, ZIITEK, Kaneka, Toray Industries, Kangli Zhngxin New Materials, etc. The global players competition landscape in this report is

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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 Thermally Conductive Plastics. 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 Thermally Conductive Plastics 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 Thermally Conductive Plastics 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 Thermally Conductive Plastics 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 Thermally Conductive Plastics Include:

Celanese

DSM

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Covestro

SABIC

Avient

RTP

FRD

ZIITEK

Kaneka

Toray Industries

Kangli Zhngxin New Materials

Thermally Conductive Plastics Product Segment Include:

Thermally Conductive Insulating Plastic

Thermally And Electrically Conductive Plastic

Thermally Conductive Plastics Product Application Include:

Lighting Field

Electronic and Electrical Field

Other

Chapter Scope

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

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