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Global Thermal Interface Material for EV Battery Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Thermal Interface Material for EV Battery market size will reach 589.40 Million USD in 2025 and is projected to reach 2,606.24 Million USD by 2032, with a CAGR of 23.66% (2025-2032). Notably, the China Thermal Interface Material for EV Battery 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

Thermal interface materials (TIMs) for electric vehicle (EV) batteries play a critical role in managing heat generated during battery operation. These materials are designed to enhance the thermal conductivity between the battery cells and their surroundings, typically heat sinks or cooling systems. TIMs facilitate the efficient transfer of heat away from the battery cells, helping to maintain optimal operating temperatures and prolonging battery life. Commonly used TIMs include thermally conductive greases, pads, films, and phase change materials. These materials are chosen for their ability to fill microscopic gaps and irregularities between the battery cells and cooling components, thereby reducing thermal resistance and improving heat transfer. In EV applications, where battery safety and performance are paramount, effective thermal management is essential to prevent overheating and thermal runaway events. Thus, selecting the appropriate TIMs is crucial for ensuring the reliability, efficiency, and safety of EV battery systems.

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The major global manufacturers of Thermal Interface Material for EV Battery include Jones Tech PLC, Shenzhen FRD Science & Technology, DuPont, Dow, Shin-Etsu Chemical, Parker Hannifin, Fujipoly, Henkel, Wacker, 3M, Bornsun, Jointas Chemical, Nano TIM, Amogreentech, 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 Thermal Interface Material for EV Battery. 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 Thermal Interface Material for EV Battery 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 Thermal Interface Material for EV Battery 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 Thermal Interface Material for EV Battery 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 Thermal Interface Material for EV Battery Include:

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Jones Tech PLC

Shenzhen FRD Science & Technology

DuPont

Dow

Shin-Etsu Chemical

Parker Hannifin

Fujipoly

Henkel

Wacker

3M

Bornsun

Jointas Chemical

Nano TIM

Amogreentech

Thermal Interface Material for EV Battery Product Segment Include:

HD Gap Filler

HD Sheet

HD Grease

Other

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Thermal Interface Material for EV Battery Product Application Include:

Passenger Vehicle

Commercial Vehicle

Chapter Scope

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

Chapter 2: Global Thermal Interface Material for EV Battery Industry PESTEL Analysis

Chapter 3: Global Thermal Interface Material for EV Battery Industry Porter’s Five Forces Analysis

Chapter 4: Global Thermal Interface Material for EV Battery Major Regional Market Size (Revenue, Sales, Price) and Forecast Analysis

Chapter 5: Global Thermal Interface Material for EV Battery Market Size and Forecast by Type and Application Analysis

Chapter 6: North America Thermal Interface Material for EV Battery Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 7: Europe Thermal Interface Material for EV Battery Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 8: China Thermal Interface Material for EV Battery Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application Segment Analysis, Countries Analysis)

Chapter 9: APAC (Excl. China) Thermal Interface Material for EV Battery Competitive Analysis (Market Size, Key Players and Market Share, Product Type and Application

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