

Global Power Battery Thermal Insulation Material Market Growth 2026-2032

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Abstracts

The global Power Battery Thermal Insulation Material market size is predicted to grow from US\$ million in 2025 to US\$ million in 2032; it is expected to grow at a CAGR of % from 2026 to 2032.

Power battery insulation materials are high-performance materials specifically used to protect and optimize the performance of electric vehicle power battery packs. Their main function is to regulate and maintain the operating temperature of the battery, ensuring that the battery can operate efficiently and safely under various environmental conditions. These materials have excellent thermal insulation properties, can effectively reduce heat conduction, convection and radiation, prevent the impact of external high or low temperatures on the battery pack, and thus maintain a stable operating temperature of the battery pack.

United States market for Power Battery Thermal Insulation Material is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Power Battery Thermal Insulation Material is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Power Battery Thermal Insulation Material is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Power Battery Thermal Insulation Material players cover Boyd Corporation,

Jios Aerogel, Aspen Aerogel, Armacell, Cabot Corporation, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Power Battery Thermal Insulation Material Industry Forecast" looks at past sales and reviews total world Power Battery Thermal Insulation Material sales in 2025, providing a comprehensive analysis by region and market sector of projected Power Battery Thermal Insulation Material sales for 2026 through 2032. With Power Battery Thermal Insulation Material sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Power Battery Thermal Insulation Material industry.

This Insight Report provides a comprehensive analysis of the global Power Battery Thermal Insulation Material landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Power Battery Thermal Insulation Material portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Power Battery Thermal Insulation Material market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Power Battery Thermal Insulation Material and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Power Battery Thermal Insulation Material.

This report presents a comprehensive overview, market shares, and growth opportunities of Power Battery Thermal Insulation Material market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Aerogel

Ceramic Fiber

Glass Fiber

Others

Segmentation by Application:

Ternary Lithium Battery

Lithium Iron Phosphate Battery

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Boyd Corporation

Jios Aerogel

Aspen Aerogel

Armacell

Cabot Corporation

Sino-Aerogel

3M

Henkel

Krempel

Elkem

Outlook Science&Technology

Guangmai Electronic Technology

Taiya Electronic Technology

Aerogel Technology

Huolong Thermal Ceramics

Shaoguang Electronics

Luyang Energy-Saving Materials

Fanrui Yihui Composite Materials

Yangchi Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Power Battery Thermal Insulation Material market?

What factors are driving Power Battery Thermal Insulation Material market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Power Battery Thermal Insulation Material market opportunities vary by end market size?

How does Power Battery Thermal Insulation Material break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global Power Battery Thermal Insulation Material Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for Power Battery Thermal Insulation Material by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for Power Battery Thermal Insulation Material by Country/Region, 2021, 2025 & 2032

2.2 Power Battery Thermal Insulation Material Segment by Type

- 2.2.1 Aerogel
- 2.2.2 Ceramic Fiber
- 2.2.3 Glass Fiber
- 2.2.4 Others
- 2.2.5 Power Battery Thermal Insulation Material Sales by Type
 - 2.2.5.1 Global Power Battery Thermal Insulation Material Sales Market Share by Type (2021-2026)
 - 2.2.5.2 Global Power Battery Thermal Insulation Material Revenue and Market Share by Type (2021-2026)
 - 2.2.5.3 Global Power Battery Thermal Insulation Material Sale Price by Type (2021-2026)

2.3 Power Battery Thermal Insulation Material Segment by Application

- 2.3.1 Ternary Lithium Battery
- 2.3.2 Lithium Iron Phosphate Battery
- 2.3.3 Others
- 2.3.4 Power Battery Thermal Insulation Material Sales by Application
 - 2.3.4.1 Global Power Battery Thermal Insulation Material Sale Market Share by

Application (2021-2026)

2.3.4.2 Global Power Battery Thermal Insulation Material Revenue and Market Share by Application (2021-2026)

2.3.4.3 Global Power Battery Thermal Insulation Material Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Power Battery Thermal Insulation Material Breakdown Data by Company

3.1.1 Global Power Battery Thermal Insulation Material Annual Sales by Company (2021-2026)

3.1.2 Global Power Battery Thermal Insulation Material Sales Market Share by Company (2021-2026)

3.2 Global Power Battery Thermal Insulation Material Annual Revenue by Company (2021-2026)

3.2.1 Global Power Battery Thermal Insulation Material Revenue by Company (2021-2026)

3.2.2 Global Power Battery Thermal Insulation Material Revenue Market Share by Company (2021-2026)

3.3 Global Power Battery Thermal Insulation Material Sale Price by Company

3.4 Key Manufacturers Power Battery Thermal Insulation Material Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Power Battery Thermal Insulation Material Product Location Distribution

3.4.2 Players Power Battery Thermal Insulation Material Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR POWER BATTERY THERMAL INSULATION MATERIAL BY GEOGRAPHIC REGION

4.1 World Historic Power Battery Thermal Insulation Material Market Size by Geographic Region (2021-2026)

4.1.1 Global Power Battery Thermal Insulation Material Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Power Battery Thermal Insulation Material Annual Revenue by

Geographic Region (2021-2026)

4.2 World Historic Power Battery Thermal Insulation Material Market Size by Country/Region (2021-2026)

4.2.1 Global Power Battery Thermal Insulation Material Annual Sales by Country/Region (2021-2026)

4.2.2 Global Power Battery Thermal Insulation Material Annual Revenue by Country/Region (2021-2026)

4.3 Americas Power Battery Thermal Insulation Material Sales Growth

4.4 APAC Power Battery Thermal Insulation Material Sales Growth

4.5 Europe Power Battery Thermal Insulation Material Sales Growth

4.6 Middle East & Africa Power Battery Thermal Insulation Material Sales Growth

5 AMERICAS

5.1 Americas Power Battery Thermal Insulation Material Sales by Country

5.1.1 Americas Power Battery Thermal Insulation Material Sales by Country (2021-2026)

5.1.2 Americas Power Battery Thermal Insulation Material Revenue by Country (2021-2026)

5.2 Americas Power Battery Thermal Insulation Material Sales by Type (2021-2026)

5.3 Americas Power Battery Thermal Insulation Material Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Power Battery Thermal Insulation Material Sales by Region

6.1.1 APAC Power Battery Thermal Insulation Material Sales by Region (2021-2026)

6.1.2 APAC Power Battery Thermal Insulation Material Revenue by Region (2021-2026)

6.2 APAC Power Battery Thermal Insulation Material Sales by Type (2021-2026)

6.3 APAC Power Battery Thermal Insulation Material Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

7 EUROPE

- 7.1 Europe Power Battery Thermal Insulation Material by Country
 - 7.1.1 Europe Power Battery Thermal Insulation Material Sales by Country (2021-2026)
 - 7.1.2 Europe Power Battery Thermal Insulation Material Revenue by Country (2021-2026)
- 7.2 Europe Power Battery Thermal Insulation Material Sales by Type (2021-2026)
- 7.3 Europe Power Battery Thermal Insulation Material Sales by Application (2021-2026)
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Power Battery Thermal Insulation Material by Country
 - 8.1.1 Middle East & Africa Power Battery Thermal Insulation Material Sales by Country (2021-2026)
 - 8.1.2 Middle East & Africa Power Battery Thermal Insulation Material Revenue by Country (2021-2026)
- 8.2 Middle East & Africa Power Battery Thermal Insulation Material Sales by Type (2021-2026)
- 8.3 Middle East & Africa Power Battery Thermal Insulation Material Sales by Application (2021-2026)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Power Battery Thermal Insulation Material

10.3 Manufacturing Process Analysis of Power Battery Thermal Insulation Material

10.4 Industry Chain Structure of Power Battery Thermal Insulation Material

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Power Battery Thermal Insulation Material Distributors

11.3 Power Battery Thermal Insulation Material Customer

12 WORLD FORECAST REVIEW FOR POWER BATTERY THERMAL INSULATION MATERIAL BY GEOGRAPHIC REGION

12.1 Global Power Battery Thermal Insulation Material Market Size Forecast by Region

12.1.1 Global Power Battery Thermal Insulation Material Forecast by Region (2027-2032)

12.1.2 Global Power Battery Thermal Insulation Material Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Power Battery Thermal Insulation Material Forecast by Type (2027-2032)

12.7 Global Power Battery Thermal Insulation Material Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Boyd Corporation

13.1.1 Boyd Corporation Company Information

13.1.2 Boyd Corporation Power Battery Thermal Insulation Material Product Portfolios

and Specifications

13.1.3 Boyd Corporation Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Boyd Corporation Main Business Overview

13.1.5 Boyd Corporation Latest Developments

13.2 Jios Aerogel

13.2.1 Jios Aerogel Company Information

13.2.2 Jios Aerogel Power Battery Thermal Insulation Material Product Portfolios and Specifications

13.2.3 Jios Aerogel Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Jios Aerogel Main Business Overview

13.2.5 Jios Aerogel Latest Developments

13.3 Aspen Aerogel

13.3.1 Aspen Aerogel Company Information

13.3.2 Aspen Aerogel Power Battery Thermal Insulation Material Product Portfolios and Specifications

13.3.3 Aspen Aerogel Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Aspen Aerogel Main Business Overview

13.3.5 Aspen Aerogel Latest Developments

13.4 Armacell

13.4.1 Armacell Company Information

13.4.2 Armacell Power Battery Thermal Insulation Material Product Portfolios and Specifications

13.4.3 Armacell Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Armacell Main Business Overview

13.4.5 Armacell Latest Developments

13.5 Cabot Corporation

13.5.1 Cabot Corporation Company Information

13.5.2 Cabot Corporation Power Battery Thermal Insulation Material Product Portfolios and Specifications

13.5.3 Cabot Corporation Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 Cabot Corporation Main Business Overview

13.5.5 Cabot Corporation Latest Developments

13.6 Sino-Aerogel

13.6.1 Sino-Aerogel Company Information

13.6.2 Sino-Aerogel Power Battery Thermal Insulation Material Product Portfolios and Specifications

13.6.3 Sino-Aerogel Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Sino-Aerogel Main Business Overview

13.6.5 Sino-Aerogel Latest Developments

13.7 3M

13.7.1 3M Company Information

13.7.2 3M Power Battery Thermal Insulation Material Product Portfolios and Specifications

13.7.3 3M Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 3M Main Business Overview

13.7.5 3M Latest Developments

13.8 Henkel

13.8.1 Henkel Company Information

13.8.2 Henkel Power Battery Thermal Insulation Material Product Portfolios and Specifications

13.8.3 Henkel Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 Henkel Main Business Overview

13.8.5 Henkel Latest Developments

13.9 Krempel

13.9.1 Krempel Company Information

13.9.2 Krempel Power Battery Thermal Insulation Material Product Portfolios and Specifications

13.9.3 Krempel Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Krempel Main Business Overview

13.9.5 Krempel Latest Developments

13.10 Elkem

13.10.1 Elkem Company Information

13.10.2 Elkem Power Battery Thermal Insulation Material Product Portfolios and Specifications

13.10.3 Elkem Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 Elkem Main Business Overview

13.10.5 Elkem Latest Developments

13.11 Outlook Science&Technology

- 13.11.1 Outlook Science&Technology Company Information
- 13.11.2 Outlook Science&Technology Power Battery Thermal Insulation Material Product Portfolios and Specifications
- 13.11.3 Outlook Science&Technology Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.11.4 Outlook Science&Technology Main Business Overview
- 13.11.5 Outlook Science&Technology Latest Developments
- 13.12 Guangmai Electronic Technology
 - 13.12.1 Guangmai Electronic Technology Company Information
 - 13.12.2 Guangmai Electronic Technology Power Battery Thermal Insulation Material Product Portfolios and Specifications
 - 13.12.3 Guangmai Electronic Technology Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.12.4 Guangmai Electronic Technology Main Business Overview
 - 13.12.5 Guangmai Electronic Technology Latest Developments
- 13.13 Taiya Electronic Technology
 - 13.13.1 Taiya Electronic Technology Company Information
 - 13.13.2 Taiya Electronic Technology Power Battery Thermal Insulation Material Product Portfolios and Specifications
 - 13.13.3 Taiya Electronic Technology Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.13.4 Taiya Electronic Technology Main Business Overview
 - 13.13.5 Taiya Electronic Technology Latest Developments
- 13.14 Aerogel Technology
 - 13.14.1 Aerogel Technology Company Information
 - 13.14.2 Aerogel Technology Power Battery Thermal Insulation Material Product Portfolios and Specifications
 - 13.14.3 Aerogel Technology Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.14.4 Aerogel Technology Main Business Overview
 - 13.14.5 Aerogel Technology Latest Developments
- 13.15 Huolong Thermal Ceramics
 - 13.15.1 Huolong Thermal Ceramics Company Information
 - 13.15.2 Huolong Thermal Ceramics Power Battery Thermal Insulation Material Product Portfolios and Specifications
 - 13.15.3 Huolong Thermal Ceramics Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.15.4 Huolong Thermal Ceramics Main Business Overview
 - 13.15.5 Huolong Thermal Ceramics Latest Developments

13.16 Shaoguang Electronics

13.16.1 Shaoguang Electronics Company Information

13.16.2 Shaoguang Electronics Power Battery Thermal Insulation Material Product Portfolios and Specifications

13.16.3 Shaoguang Electronics Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)

13.16.4 Shaoguang Electronics Main Business Overview

13.16.5 Shaoguang Electronics Latest Developments

13.17 Luyang Energy-Saving Materials

13.17.1 Luyang Energy-Saving Materials Company Information

13.17.2 Luyang Energy-Saving Materials Power Battery Thermal Insulation Material Product Portfolios and Specifications

13.17.3 Luyang Energy-Saving Materials Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)

13.17.4 Luyang Energy-Saving Materials Main Business Overview

13.17.5 Luyang Energy-Saving Materials Latest Developments

13.18 Fanrui Yihui Composite Materials

13.18.1 Fanrui Yihui Composite Materials Company Information

13.18.2 Fanrui Yihui Composite Materials Power Battery Thermal Insulation Material Product Portfolios and Specifications

13.18.3 Fanrui Yihui Composite Materials Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)

13.18.4 Fanrui Yihui Composite Materials Main Business Overview

13.18.5 Fanrui Yihui Composite Materials Latest Developments

13.19 Yangchi Technology

13.19.1 Yangchi Technology Company Information

13.19.2 Yangchi Technology Power Battery Thermal Insulation Material Product Portfolios and Specifications

13.19.3 Yangchi Technology Power Battery Thermal Insulation Material Sales, Revenue, Price and Gross Margin (2021-2026)

13.19.4 Yangchi Technology Main Business Overview

13.19.5 Yangchi Technology Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

- Table 1. Power Battery Thermal Insulation Material Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Table 2. Power Battery Thermal Insulation Material Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)
- Table 3. Major Players of Aerogel
- Table 4. Major Players of Ceramic Fiber
- Table 5. Major Players of Glass Fiber
- Table 6. Major Players of Others
- Table 7. Global Power Battery Thermal Insulation Material Sales by Type (2021-2026) & (Tons)
- Table 8. Global Power Battery Thermal Insulation Material Sales Market Share by Type (2021-2026)
- Table 9. Global Power Battery Thermal Insulation Material Revenue by Type (2021-2026) & (\$ million)
- Table 10. Global Power Battery Thermal Insulation Material Revenue Market Share by Type (2021-2026)
- Table 11. Global Power Battery Thermal Insulation Material Sale Price by Type (2021-2026) & (US\$/Ton)
- Table 12. Global Power Battery Thermal Insulation Material Sale by Application (2021-2026) & (Tons)
- Table 13. Global Power Battery Thermal Insulation Material Sale Market Share by Application (2021-2026)
- Table 14. Global Power Battery Thermal Insulation Material Revenue by Application (2021-2026) & (\$ million)
- Table 15. Global Power Battery Thermal Insulation Material Revenue Market Share by Application (2021-2026)
- Table 16. Global Power Battery Thermal Insulation Material Sale Price by Application (2021-2026) & (US\$/Ton)
- Table 17. Global Power Battery Thermal Insulation Material Sales by Company (2021-2026) & (Tons)
- Table 18. Global Power Battery Thermal Insulation Material Sales Market Share by Company (2021-2026)
- Table 19. Global Power Battery Thermal Insulation Material Revenue by Company (2021-2026) & (\$ millions)
- Table 20. Global Power Battery Thermal Insulation Material Revenue Market Share by

Company (2021-2026)

Table 21. Global Power Battery Thermal Insulation Material Sale Price by Company (2021-2026) & (US\$/Ton)

Table 22. Key Manufacturers Power Battery Thermal Insulation Material Producing Area Distribution and Sales Area

Table 23. Players Power Battery Thermal Insulation Material Products Offered

Table 24. Power Battery Thermal Insulation Material Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 25. New Products and Potential Entrants

Table 26. Market M&A Activity & Strategy

Table 27. Global Power Battery Thermal Insulation Material Sales by Geographic Region (2021-2026) & (Tons)

Table 28. Global Power Battery Thermal Insulation Material Sales Market Share Geographic Region (2021-2026)

Table 29. Global Power Battery Thermal Insulation Material Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 30. Global Power Battery Thermal Insulation Material Revenue Market Share by Geographic Region (2021-2026)

Table 31. Global Power Battery Thermal Insulation Material Sales by Country/Region (2021-2026) & (Tons)

Table 32. Global Power Battery Thermal Insulation Material Sales Market Share by Country/Region (2021-2026)

Table 33. Global Power Battery Thermal Insulation Material Revenue by Country/Region (2021-2026) & (\$ millions)

Table 34. Global Power Battery Thermal Insulation Material Revenue Market Share by Country/Region (2021-2026)

Table 35. Americas Power Battery Thermal Insulation Material Sales by Country (2021-2026) & (Tons)

Table 36. Americas Power Battery Thermal Insulation Material Sales Market Share by Country (2021-2026)

Table 37. Americas Power Battery Thermal Insulation Material Revenue by Country (2021-2026) & (\$ millions)

Table 38. Americas Power Battery Thermal Insulation Material Sales by Type (2021-2026) & (Tons)

Table 39. Americas Power Battery Thermal Insulation Material Sales by Application (2021-2026) & (Tons)

Table 40. APAC Power Battery Thermal Insulation Material Sales by Region (2021-2026) & (Tons)

Table 41. APAC Power Battery Thermal Insulation Material Sales Market Share by

Region (2021-2026)

Table 42. APAC Power Battery Thermal Insulation Material Revenue by Region (2021-2026) & (\$ millions)

Table 43. APAC Power Battery Thermal Insulation Material Sales by Type (2021-2026) & (Tons)

Table 44. APAC Power Battery Thermal Insulation Material Sales by Application (2021-2026) & (Tons)

Table 45. Europe Power Battery Thermal Insulation Material Sales by Country (2021-2026) & (Tons)

Table 46. Europe Power Battery Thermal Insulation Material Revenue by Country (2021-2026) & (\$ millions)

Table 47. Europe Power Battery Thermal Insulation Material Sales by Type (2021-2026) & (Tons)

Table 48. Europe Power Battery Thermal Insulation Material Sales by Application (2021-2026) & (Tons)

Table 49. Middle East & Africa Power Battery Thermal Insulation Material Sales by Country (2021-2026) & (Tons)

Table 50. Middle East & Africa Power Battery Thermal Insulation Material Revenue Market Share by Country (2021-2026)

Table 51. Middle East & Africa Power Battery Thermal Insulation Material Sales by Type (2021-2026) & (Tons)

Table 52. Middle East & Africa Power Battery Thermal Insulation Material Sales by Application (2021-2026) & (Tons)

Table 53. Key Market Drivers & Growth Opportunities of Power Battery Thermal Insulation Material

Table 54. Key Market Challenges & Risks of Power Battery Thermal Insulation Material

Table 55. Key Industry Trends of Power Battery Thermal Insulation Material

Table 56. Power Battery Thermal Insulation Material Raw Material

Table 57. Key Suppliers of Raw Materials

Table 58. Power Battery Thermal Insulation Material Distributors List

Table 59. Power Battery Thermal Insulation Material Customer List

Table 60. Global Power Battery Thermal Insulation Material Sales Forecast by Region (2027-2032) & (Tons)

Table 61. Global Power Battery Thermal Insulation Material Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 62. Americas Power Battery Thermal Insulation Material Sales Forecast by Country (2027-2032) & (Tons)

Table 63. Americas Power Battery Thermal Insulation Material Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 64. APAC Power Battery Thermal Insulation Material Sales Forecast by Region (2027-2032) & (Tons)

Table 65. APAC Power Battery Thermal Insulation Material Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 66. Europe Power Battery Thermal Insulation Material Sales Forecast by Country (2027-2032) & (Tons)

Table 67. Europe Power Battery Thermal Insulation Material Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 68. Middle East & Africa Power Battery Thermal Insulation Material Sales Forecast by Country (2027-2032) & (Tons)

Table 69. Middle East & Africa Power Battery Thermal Insulation Material Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 70. Global Power Battery Thermal Insulation Material Sales Forecast by Type (2027-2032) & (Tons)

Table 71. Global Power Battery Thermal Insulation Material Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 72. Global Power Battery Thermal Insulation Material Sales Forecast by Application (2027-2032) & (Tons)

Table 73. Global Power Battery Thermal Insulation Material Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 74. Boyd Corporation Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 75. Boyd Corporation Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 76. Boyd Corporation Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 77. Boyd Corporation Main Business

Table 78. Boyd Corporation Latest Developments

Table 79. Jios Aerogel Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 80. Jios Aerogel Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 81. Jios Aerogel Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 82. Jios Aerogel Main Business

Table 83. Jios Aerogel Latest Developments

Table 84. Aspen Aerogel Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 85. Aspen Aerogel Power Battery Thermal Insulation Material Product Portfolios

and Specifications

Table 86. Aspen Aerogel Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 87. Aspen Aerogel Main Business

Table 88. Aspen Aerogel Latest Developments

Table 89. Armacell Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 90. Armacell Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 91. Armacell Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 92. Armacell Main Business

Table 93. Armacell Latest Developments

Table 94. Cabot Corporation Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 95. Cabot Corporation Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 96. Cabot Corporation Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 97. Cabot Corporation Main Business

Table 98. Cabot Corporation Latest Developments

Table 99. Sino-Aerogel Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 100. Sino-Aerogel Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 101. Sino-Aerogel Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 102. Sino-Aerogel Main Business

Table 103. Sino-Aerogel Latest Developments

Table 104. 3M Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 105. 3M Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 106. 3M Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 107. 3M Main Business

Table 108. 3M Latest Developments

Table 109. Henkel Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 110. Henkel Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 111. Henkel Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 112. Henkel Main Business

Table 113. Henkel Latest Developments

Table 114. Krempel Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 115. Krempel Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 116. Krempel Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 117. Krempel Main Business

Table 118. Krempel Latest Developments

Table 119. Elkem Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 120. Elkem Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 121. Elkem Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 122. Elkem Main Business

Table 123. Elkem Latest Developments

Table 124. Outlook Science&Technology Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 125. Outlook Science&Technology Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 126. Outlook Science&Technology Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 127. Outlook Science&Technology Main Business

Table 128. Outlook Science&Technology Latest Developments

Table 129. Guangmai Electronic Technology Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 130. Guangmai Electronic Technology Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 131. Guangmai Electronic Technology Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 132. Guangmai Electronic Technology Main Business

Table 133. Guangmai Electronic Technology Latest Developments

Table 134. Taiya Electronic Technology Basic Information, Power Battery Thermal

Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 135. Taiya Electronic Technology Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 136. Taiya Electronic Technology Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 137. Taiya Electronic Technology Main Business

Table 138. Taiya Electronic Technology Latest Developments

Table 139. Aerogel Technology Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 140. Aerogel Technology Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 141. Aerogel Technology Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 142. Aerogel Technology Main Business

Table 143. Aerogel Technology Latest Developments

Table 144. Huolong Thermal Ceramics Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 145. Huolong Thermal Ceramics Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 146. Huolong Thermal Ceramics Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 147. Huolong Thermal Ceramics Main Business

Table 148. Huolong Thermal Ceramics Latest Developments

Table 149. Shaoguang Electronics Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 150. Shaoguang Electronics Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 151. Shaoguang Electronics Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 152. Shaoguang Electronics Main Business

Table 153. Shaoguang Electronics Latest Developments

Table 154. Luyang Energy-Saving Materials Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 155. Luyang Energy-Saving Materials Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 156. Luyang Energy-Saving Materials Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 157. Luyang Energy-Saving Materials Main Business

Table 158. Luyang Energy-Saving Materials Latest Developments

Table 159. Fanrui Yihui Composite Materials Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 160. Fanrui Yihui Composite Materials Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 161. Fanrui Yihui Composite Materials Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 162. Fanrui Yihui Composite Materials Main Business

Table 163. Fanrui Yihui Composite Materials Latest Developments

Table 164. Yangchi Technology Basic Information, Power Battery Thermal Insulation Material Manufacturing Base, Sales Area and Its Competitors

Table 165. Yangchi Technology Power Battery Thermal Insulation Material Product Portfolios and Specifications

Table 166. Yangchi Technology Power Battery Thermal Insulation Material Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 167. Yangchi Technology Main Business

Table 168. Yangchi Technology Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Power Battery Thermal Insulation Material
- Figure 2. Power Battery Thermal Insulation Material Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Power Battery Thermal Insulation Material Sales Growth Rate 2021-2032 (Tons)
- Figure 7. Global Power Battery Thermal Insulation Material Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Power Battery Thermal Insulation Material Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Power Battery Thermal Insulation Material Sales Market Share by Country/Region (2025)
- Figure 10. Power Battery Thermal Insulation Material Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Aerogel
- Figure 12. Product Picture of Ceramic Fiber
- Figure 13. Product Picture of Glass Fiber
- Figure 14. Product Picture of Others
- Figure 15. Global Power Battery Thermal Insulation Material Sales Market Share by Type in 2026
- Figure 16. Global Power Battery Thermal Insulation Material Revenue Market Share by Type (2021-2026)
- Figure 17. Power Battery Thermal Insulation Material Consumed in Ternary Lithium Battery
- Figure 18. Global Power Battery Thermal Insulation Material Market: Ternary Lithium Battery (2021-2026) & (Tons)
- Figure 19. Power Battery Thermal Insulation Material Consumed in Lithium Iron Phosphate Battery
- Figure 20. Global Power Battery Thermal Insulation Material Market: Lithium Iron Phosphate Battery (2021-2026) & (Tons)
- Figure 21. Power Battery Thermal Insulation Material Consumed in Others
- Figure 22. Global Power Battery Thermal Insulation Material Market: Others (2021-2026) & (Tons)
- Figure 23. Global Power Battery Thermal Insulation Material Sale Market Share by

Application (2025)

Figure 24. Global Power Battery Thermal Insulation Material Revenue Market Share by Application in 2026

Figure 25. Power Battery Thermal Insulation Material Sales by Company in 2026 (Tons)

Figure 26. Global Power Battery Thermal Insulation Material Sales Market Share by Company in 2026

Figure 27. Power Battery Thermal Insulation Material Revenue by Company in 2026 (\$ millions)

Figure 28. Global Power Battery Thermal Insulation Material Revenue Market Share by Company in 2026

Figure 29. Global Power Battery Thermal Insulation Material Sales Market Share by Geographic Region (2021-2026)

Figure 30. Global Power Battery Thermal Insulation Material Revenue Market Share by Geographic Region in 2026

Figure 31. Americas Power Battery Thermal Insulation Material Sales 2021-2026 (Tons)

Figure 32. Americas Power Battery Thermal Insulation Material Revenue 2021-2026 (\$ millions)

Figure 33. APAC Power Battery Thermal Insulation Material Sales 2021-2026 (Tons)

Figure 34. APAC Power Battery Thermal Insulation Material Revenue 2021-2026 (\$ millions)

Figure 35. Europe Power Battery Thermal Insulation Material Sales 2021-2026 (Tons)

Figure 36. Europe Power Battery Thermal Insulation Material Revenue 2021-2026 (\$ millions)

Figure 37. Middle East & Africa Power Battery Thermal Insulation Material Sales 2021-2026 (Tons)

Figure 38. Middle East & Africa Power Battery Thermal Insulation Material Revenue 2021-2026 (\$ millions)

Figure 39. Americas Power Battery Thermal Insulation Material Sales Market Share by Country in 2026

Figure 40. Americas Power Battery Thermal Insulation Material Revenue Market Share by Country (2021-2026)

Figure 41. Americas Power Battery Thermal Insulation Material Sales Market Share by Type (2021-2026)

Figure 42. Americas Power Battery Thermal Insulation Material Sales Market Share by Application (2021-2026)

Figure 43. United States Power Battery Thermal Insulation Material Revenue Growth 2021-2026 (\$ millions)

Figure 44. Canada Power Battery Thermal Insulation Material Revenue Growth 2021-2026 (\$ millions)

Figure 45. Mexico Power Battery Thermal Insulation Material Revenue Growth 2021-2026 (\$ millions)

Figure 46. Brazil Power Battery Thermal Insulation Material Revenue Growth 2021-2026 (\$ millions)

Figure 47. APAC Power Battery Thermal Insulation Material Sales Market Share by Region in 2026

Figure 48. APAC Power Battery Thermal Insulation Material Revenue Market Share by Region (2021-2026)

Figure 49. APAC Power Battery Thermal Insulation Material Sales Market Share by Type (2021-2026)

Figure 50. APAC Power Battery Thermal Insulation Material Sales Market Share by Application (2021-2026)

Figure 51. China Power Battery Thermal Insulation Material Revenue Growth 2021-2026 (\$ millions)

Figure 52. Japan Power Battery Thermal Insulation Material Revenue Growth 2021-2026 (\$ millions)

Figure 53. South Korea Power Battery Thermal Insulation Material Revenue Growth 2021-2026 (\$ millions)

Figure 54. Southeast Asia Power Battery Thermal Insulation Material Revenue Growth 2021-2026 (\$ millions)

Figure 55. India Power Battery Thermal Insulation Material Revenue Growth 2021-2026 (\$ millions)

Figure 56. Australia Power Battery Thermal Insulation Material Revenue Growth 2021-2026 (\$ millions)

Figure 57. China Taiwan Power Battery Thermal Insulation Material Revenue Growth 2021-2026 (\$ millions)

Figure 58. Europe Power Battery Thermal Insulation Material Sales Market Share by Country in 2026

Figure 59. Europe Power Battery Thermal Insulation Material Revenue Market Share by Country (2021-2026)

Figure 60. Europe Power Battery Thermal Insulation Material Sales Market Share by Type (2021-2026)

Figure 61. Europe Power Battery Thermal Insulation Material Sales Market Share by Application (2021-2026)

Figure 62. Germany Power Battery Thermal Insulation Material Revenue Growth 2021-2026 (\$ millions)

Figure 63. France Power Battery Thermal Insulation Material Revenue Growth 2021-2026 (\$ millions)

Figure 64. UK Power Battery Thermal Insulation Material Revenue Growth 2021-2026

(\$ millions)

Figure 65. Italy Power Battery Thermal Insulation Material Revenue Growth 2021-2026

(\$ millions)

Figure 66. Russia Power Battery Thermal Insulation Material Revenue Growth
2021-2026 (\$ millions)

Figure 67. Middle East & Africa Power Battery Thermal Insulation Material Sales Market
Share by Country (2021-2026)

Figure 68. Middle East & Africa Power Battery Thermal Insulation Material Sales Market
Share by Type (2021-2026)

Figure 69. Middle East & Africa Power Battery Thermal Insulation Material Sales Market
Share by Application (2021-2026)

Figure 70. Egypt Power Battery Thermal Insulation Material Revenue Growth
2021-2026 (\$ millions)

Figure 71. South Africa Power Battery Thermal Insulation Material Revenue Growth
2021-2026 (\$ millions)

Figure 72. Israel Power Battery Thermal Insulation Material Revenue Growth 2021-2026
(\$ millions)

Figure 73. Turkey Power Battery Thermal Insulation Material Revenue Growth
2021-2026 (\$ millions)

Figure 74. GCC Countries Power Battery Thermal Insulation Material Revenue Growth
2021-2026 (\$ millions)

Figure 75. Manufacturing Cost Structure Analysis of Power Battery Thermal Insulation
Material in 2026

Figure 76. Manufacturing Process Analysis of Power Battery Thermal Insulation
Material

Figure 77. Industry Chain Structure of Power Battery Thermal Insulation Material

Figure 78. Channels of Distribution

Figure 79. Global Power Battery Thermal Insulation Material Sales Market Forecast by
Region (2027-2032)

Figure 80. Global Power Battery Thermal Insulation Material Revenue Market Share
Forecast by Region (2027-2032)

Figure 81. Global Power Battery Thermal Insulation Material Sales Market Share
Forecast by Type (2027-2032)

Figure 82. Global Power Battery Thermal Insulation Material Revenue Market Share
Forecast by Type (2027-2032)

Figure 83. Global Power Battery Thermal Insulation Material Sales Market Share
Forecast by Application (2027-2032)

Figure 84. Global Power Battery Thermal Insulation Material Revenue Market Share
Forecast by Application (2027-2032)

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