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Global Dry Electrode Binder Powders for Lithium Batteries Market Growth 2026-2032

https://marketpublishers.com/r/GB1D040FF23AEN.html
Date: July 2026
Pages: 124
Price: US$ 3,660.00 (Single User License)
ID: GB1D040FF23AEN

Abstracts

The global Dry Electrode Binder Powders for Lithium Batteries market size is predicted to grow from US$ 401 million in 2025 to US$ 879 million in 2032; it is expected to grow at a CAGR of 12.3% from 2026 to 2032.

In 2025, the global sales volume of dry electrode binder powders for lithium batteries is projected to reach 13,000 metric tons, with an average price of approximately US$31,500 per ton.

These binder powders?comprising PTFE, modified fluoropolymers, polyolefins, acrylics, and composite polymer materials?are used in dry electrode manufacturing. They enable the formation of self-supporting electrode films from active materials and conductive agents within a solvent-free system through processes such as fibrillation, hot pressing, or roll pressing, thereby eliminating the need for NMP usage, moisture drying, and solvent recovery steps. As the core component of the dry process, these binder powders (predominantly PTFE) leverage their unique fibrillation characteristics to form a three-dimensional network structure under dry-mixing shear forces; this structure tightly binds the active materials and conductive agents, allowing for direct roll pressing into self-supporting electrode films and completely bypassing the solvent coating and drying stages typical of traditional wet processes.

Upstream sectors primarily include fluorochemical monomers, polymer resins, modification additives, and powder processing equipment, while downstream applications mainly target power batteries, energy storage batteries, and consumer electronics batteries.

United States market for Dry Electrode Binder Powders for Lithium Batteries is

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estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Dry Electrode Binder Powders for Lithium Batteries 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 Dry Electrode Binder Powders for Lithium Batteries is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Dry Electrode Binder Powders for Lithium Batteries players cover Daikin Industries, Chemours, 3M, Arkema, Syensqo, 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 ?Dry Electrode Binder Powders for Lithium Batteries Industry Forecast? looks at past sales and reviews total world Dry Electrode Binder Powders for Lithium Batteries sales in 2025, providing a comprehensive analysis by region and market sector of projected Dry Electrode Binder Powders for Lithium Batteries sales for 2026 through 2032. With Dry Electrode Binder Powders for Lithium Batteries sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Dry Electrode Binder Powders for Lithium Batteries industry.

This Insight Report provides a comprehensive analysis of the global Dry Electrode Binder Powders for Lithium Batteries 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 Dry Electrode Binder Powders for Lithium Batteries portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms? unique position in an accelerating global Dry Electrode Binder Powders for Lithium Batteries market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Dry Electrode Binder Powders for Lithium Batteries 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 Dry

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Electrode Binder Powders for Lithium Batteries.

This report presents a comprehensive overview, market shares, and growth opportunities of Dry Electrode Binder Powders for Lithium Batteries market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

PTFE Fibrillating Powder Binder

PVDF / Fluoropolymer Dry Binder

PFAS-Free Polyolefin / Acrylic Binder

Segmentation by Addition Amount:

0.5-2 wt% Dosage

2-5 wt% Dosage

>5 wt% High-Loading Binder

Segmentation by Functional Category:

Cathode Dry Electrode Binder

Anode Dry Electrode Binder

Solid-State Battery Electrode Binder

Segmentation by Application:

EV Power Batteries

Energy Storage Batteries

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Consumer Batteries

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

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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.

Daikin Industries

Chemours

3M

Arkema

Syensqo

Kureha

Zeon Corporation

Asahi Kasei

LG Chem

JSR Corporation

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Zhejiang Juhua

Dongyue Group

Jiangsu Meilan Chemical

Shenzhen Capchem

Key Questions Addressed in this Report
What is the 10-year outlook for the global Dry Electrode Binder Powders for Lithium Batteries market?
What factors are driving Dry Electrode Binder Powders for Lithium Batteries market growth, globally and by region?
Which technologies are poised for the fastest growth by market and region?
How do Dry Electrode Binder Powders for Lithium Batteries market opportunities vary by end market size?
How does Dry Electrode Binder Powders for Lithium Batteries break out by Type, by Application?

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Contents

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3 GLOBAL BY COMPANY

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List Of Tables

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List Of Figures

LIST OF FIGURES

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