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# Global Lithium-ion Battery PTFE Binders Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Lithium-ion Battery PTFE Binders market size was valued at US$ 878 million in 2025 and is forecast to a readjusted size of US$ 1450 million by 2032 with a CAGR of 7.4% during review period.

Lithium-ion battery PTFE binders are polymer materials made from polytetrafluoroethylene (PTFE) used to bind active materials and conductive agents in lithium-ion battery electrodes, especially in lithium metal, lithium-sulfur, and high-nickel cathode systems. PTFE binders provide strong mechanical cohesion, exceptional chemical stability, and resistance to heat and solvents, enabling the formation of robust electrode structures that can withstand repeated cycling and volume changes. Unlike traditional PVDF binders, PTFE's fibrillated structure forms a durable, web-like network that enhances electrode strength, improves safety, and supports high-energy-density designs. These binders are increasingly used in next-generation lithium batteries where enhanced stability, low reactivity, and high mechanical integrity are critical. Currently, approximately 30,000 tons of PTFE material are used in lithium batteries annually, with a price of $35-45 k per ton.

The upstream of lithium-ion battery PTFE binders primarily involves the production of fluorochemical raw materials, such as fluorspar, hydrofluoric acid, and tetrafluoroethylene (TFE) monomers, which are polymerized into PTFE by specialty chemical manufacturers. This stage also includes suppliers of additives and dispersions needed to produce fibrillated PTFE suitable for electrode applications. The downstream segment includes lithium-ion battery manufacturers and electrode producers that use PTFE binders to formulate high-strength anodes and cathodes—especially for lithium metal, lithium-sulfur, solid-state, and high-nickel batteries. Further downstream, the

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binders support applications in electric vehicles, energy-storage systems, consumer electronics, and industrial batteries, where robust electrode integrity and high energy density are required.

This report is a detailed and comprehensive analysis for global Lithium-ion Battery PTFE Binders market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

**Key Features:**

Global Lithium-ion Battery PTFE Binders market size and forecasts, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2021-2032

Global Lithium-ion Battery PTFE Binders market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2021-2032

Global Lithium-ion Battery PTFE Binders market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2021-2032

Global Lithium-ion Battery PTFE Binders market shares of main players, shipments in revenue ($ Million), sales quantity (Tons), and ASP (US$/Ton), 2021-2026

**The Primary Objectives in This Report Are:**
To determine the size of the total market opportunity of global and key countries
To assess the growth potential for Lithium-ion Battery PTFE Binders
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace

This report profiles key players in the global Lithium-ion Battery PTFE Binders market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Chemours, 3M, Daikin Chemical,

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AGC Chemical, Solvay, Kureha Chemical, Shandong Dongyue, Zhejiang Juhua, Haohua Chemical, Changshu 3f, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

**Market Segmentation**

Lithium-ion Battery PTFE Binders market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Fine Powder

Dispersion

Market segment by Application Performance

Dry Electrodes

Wet Electrodes

Market segment by Application

Liquid Battery

Semi-solid Battery

Solid-state Battery

Major players covered

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Chemours

3M

Daikin Chemical

AGC Chemical

Solvay

Kureha Chemical

Shandong Dongyue

Zhejiang Juhua

Haohua Chemical

Changshu 3f

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Lithium-ion Battery PTFE Binders product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Lithium-ion Battery PTFE Binders, with price, sales quantity, revenue, and global market share of Lithium-ion Battery PTFE Binders from 2021 to 2026.

Chapter 3, the Lithium-ion Battery PTFE Binders competitive situation, sales quantity,

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revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Lithium-ion Battery PTFE Binders breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and Lithium-ion Battery PTFE Binders market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Lithium-ion Battery PTFE Binders.

Chapter 14 and 15, to describe Lithium-ion Battery PTFE Binders sales channel, distributors, customers, research findings and conclusion.

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