+357 96 030922
info@marketpublishers.com

Global Lithium-ion Battery PTFE Binders Supply, Demand and Key Producers, 2026-2032

https://marketpublishers.com/r/G5D610CA72DCEN.html
Date: January 2026
Pages: 115
Price: US$ 4,480.00 (Single User License)
ID: G5D610CA72DCEN

Abstracts

The global Lithium-ion Battery PTFE Binders market size is expected to reach $ 1450 million by 2032, rising at a market growth of 7.4% CAGR during the forecast period (2026-2032).

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 binders support applications in electric vehicles, energy-storage systems, consumer

+357 96 030922
info@marketpublishers.com

electronics, and industrial batteries, where robust electrode integrity and high energy density are required.

This report studies the global Lithium-ion Battery PTFE Binders production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Lithium-ion Battery PTFE Binders and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Lithium-ion Battery PTFE Binders that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Lithium-ion Battery PTFE Binders total production and demand, 2021-2032, (Tons)

Global Lithium-ion Battery PTFE Binders total production value, 2021-2032, (USD Million)

Global Lithium-ion Battery PTFE Binders production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Lithium-ion Battery PTFE Binders consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Lithium-ion Battery PTFE Binders domestic production, consumption, key domestic manufacturers and share

Global Lithium-ion Battery PTFE Binders production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Lithium-ion Battery PTFE Binders production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Lithium-ion Battery PTFE Binders production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Lithium-ion Battery PTFE Binders market

+357 96 030922
info@marketpublishers.com

based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Chemours, 3M, Daikin Chemical, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Lithium-ion Battery PTFE Binders market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Tons) and average price (US$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Lithium-ion Battery PTFE Binders Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

+357 96 030922
info@marketpublishers.com

Global Lithium-ion Battery PTFE Binders Market, Segmentation by Type:

Fine Powder

Dispersion

Global Lithium-ion Battery PTFE Binders Market, Segmentation by Application Performance:

Dry Electrodes

Wet Electrodes

Global Lithium-ion Battery PTFE Binders Market, Segmentation by Application:

Liquid Battery

Semi-solid Battery

Solid-state Battery

Companies Profiled:

Chemours

3M

Daikin Chemical

AGC Chemical

Solvay

Kureha Chemical

Shandong Dongyue

+357 96 030922
info@marketpublishers.com

Zhejiang Juhua

Haohua Chemical

Changshu 3f

Key Questions Answered:

1. How big is the global Lithium-ion Battery PTFE Binders market?
2. What is the demand of the global Lithium-ion Battery PTFE Binders market?
3. What is the year over year growth of the global Lithium-ion Battery PTFE Binders market?
4. What is the production and production value of the global Lithium-ion Battery PTFE Binders market?
5. Who are the key producers in the global Lithium-ion Battery PTFE Binders market?
6. What are the growth factors driving the market demand?

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Lithium-ion Battery PTFE Binders Supply, Demand and Key Producers, 2026-2032

Product link: https://marketpublishers.com/r/G5D610CA72DCEN.html

Price: US$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G5D610CA72DCEN.html