

Global Glass Fiber Battery Separator Felt Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Glass Fiber Battery Separator Felt market size is expected to reach \$ 1222 million by 2032, rising at a market growth of 6.2% CAGR during the forecast period (2026-2032).

In 2025, global Glass Fiber Battery Separator Felt reached approximately 183.6 K tons, with an average global market price of around 4,250.3 USD/ton.

Glass Fiber Battery Separator Felt refers to a porous, fibrous membrane material made of high-purity glass fiber (typically borosilicate glass or alkali-free glass) through processes such as non-woven needling or wet-laid forming. It serves as a core component in batteries (mainly lithium-ion batteries, sodium-ion batteries, and flow batteries), functioning to physically separate the positive and negative electrodes to prevent short circuits while allowing the free passage of electrolyte ions to ensure ion conduction. With excellent thermal stability, chemical inertness, and high porosity, it effectively enhances battery safety and cycle performance.

Demand for Glass Fiber Battery Separator Felt is primarily driven by the rapid development of the global new energy vehicle industry, the large-scale deployment of energy storage systems, and the increasing demand for high-safety, long-cycle batteries. Additionally, the continuous advancement of battery technology (such as high-voltage and high-energy-density batteries) further boosts the requirement for high-performance separators. Business opportunities lie in the R&D of ultra-thin, high-strength glass fiber separator felts to adapt to lightweight battery designs, the modification of surface properties to improve electrolyte wettability and compatibility, the expansion of applications in emerging battery types (e.g., solid-state batteries), and the optimization of production processes to reduce costs and improve large-scale production capacity.

This report studies the global Glass Fiber Battery Separator Felt production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Glass Fiber Battery Separator Felt 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 Glass Fiber Battery Separator Felt that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Glass Fiber Battery Separator Felt total production and demand, 2021-2032, (Kilotons)

Global Glass Fiber Battery Separator Felt total production value, 2021-2032, (USD Million)

Global Glass Fiber Battery Separator Felt production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Glass Fiber Battery Separator Felt consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Glass Fiber Battery Separator Felt domestic production, consumption, key domestic manufacturers and share

Global Glass Fiber Battery Separator Felt production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Glass Fiber Battery Separator Felt production by Glass Fiber Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Glass Fiber Battery Separator Felt production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Glass Fiber Battery Separator Felt market 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 Jiangsu Changhai, Hollingsworth & Vose, ENTEK, Alkegen, Freudenberg, Chang Zhou Jiu Lian Battery Material, Jiangsu Dall Energy Saving Technology, Tianma Group, TCYC, Xiamen TOB New Energy Technology, 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 Glass Fiber Battery Separator Felt market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Glass Fiber 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 Glass Fiber Battery Separator Felt Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Glass Fiber Battery Separator Felt Market, Segmentation by Glass Fiber Type:

Alkali-Free Glass Fiber

Borosilicate Glass Fiber

Low-Dielectric Glass Fiber

Global Glass Fiber Battery Separator Felt Market, Segmentation by Manufacturing Process:

Needle-Punched Non-Woven Type

Wet-Laid Non-Woven Type

Binder-Free Molding Type

Calendered Compaction Type

Global Glass Fiber Battery Separator Felt Market, Segmentation by Physical Form:

Roll-Type Glass Fiber Battery Separator Felt

Sheet-Type Glass Fiber Battery Separator Felt

Global Glass Fiber Battery Separator Felt Market, Segmentation by Application:

Lithium-Ion Battery

Sodium-Ion Battery

Aqueous Zinc-Ion Battery

Flow Battery

Companies Profiled:

Jiangsu Changhai

Hollingsworth & Vose

ENTEK

Alkegen

Freudenberg

Chang Zhou Jiu Lian Battery Material

Jiangsu Dall Energy Saving Technology

Tianma Group

TCYC

Xiamen TOB New Energy Technology

Zisun Technology

Jiangsu Mingguan

Rijie Group

Key Questions Answered:

1. How big is the global Glass Fiber Battery Separator Felt market?
2. What is the demand of the global Glass Fiber Battery Separator Felt market?
3. What is the year over year growth of the global Glass Fiber Battery Separator Felt market?
4. What is the production and production value of the global Glass Fiber Battery Separator Felt market?
5. Who are the key producers in the global Glass Fiber Battery Separator Felt market?
6. What are the growth factors driving the market demand?

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