

Battery Electrode Binder Materials Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031)

> ****Industry:**** Battery Materials & Critical Minerals (Chemicals & Materials)
> ****Source:**** <https://www.mordorintelligence.com/industry-reports/battery-electrode-binder-materials-market>
> ****Scraped Date:**** 2026-09-17

Executive Market Summary

Market Metric	Details
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Base Market Size	USD 3.17 billion
Projected Forecast (2031)	USD 3.17 billion
Growth Rate (CAGR)	16.88 %
Largest Market Region	N/A
Fastest-Growing Region	N/A

Market Visualizations & Infographics

![Major players in Battery Electrode Binder Materials industry](images/chart_2.png)

![Battery Electrode Binder Materials Market Size](images/chart_3.png)

![Battery Electrode Binder Materials Market Share by Chemistry, 2025](images/chart_4.png)

![Battery Electrode Binder Materials Market Share by Application, 2025](images/chart_5.png)

![Battery Electrode Binder Materials Market Growth Rate by Region](images/chart_6.png)

![Battery Electrode Binder Materials Market Concentration](images/chart_7.png)

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Comprehensive Research Analysis

Overview Points List Flex 49 Share Feature End

Market Overview	Study Period 2021 - 2031
Market Size (2026)	USD 3.17 Billion
Market Size (2031)	USD 6.91 Billion
Growth Rate (2026 - 2031)	16.88 %
Fastest Growing Market	Asia-Pacific
Largest Market	Asia-Pacific

Market Concentration | Medium |

Major Players*Disclaimer: Major Players sorted in no particular order

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Market Overview

Battery Electrode Binder Materials Market Analysis by Mordor Intelligence
The Battery Electrode Binder Materials Market was valued at USD 2.71 billion in 2025 and is estimated to grow from USD 3.17 billion in 2026 to reach USD 6.91 billion by 2031, at a CAGR of 16.88% during the forecast period (2026–2031). Committed cell-factory additions for electric vehicles and stationary storage are expanding the need for qualified binder materials. The battery electrode binder materials market is also being shaped by the move toward silicon-containing anodes and high-nickel cathodes, which require binders with stronger adhesion and greater electrochemical stability. Electric-vehicle cells favor qualified Polyvinylidene Fluoride (PVDF) grades because manufacturers prioritize proven performance and consistent specifications. Stationary storage is increasing demand for aqueous Styrene-Butadiene Rubber/Carboxymethyl Cellulose (SBR/CMC) systems because these applications place more weight on cost and long cycle life. Supplier strategies, therefore, combine local capacity additions with application-specific product development and longer customer qualification programs.

Key Report Takeaways* By chemistry, Polyvinylidene Fluoride (PVDF) held 42.08% of the battery electrode binder materials market share in 2025, while SBR/CMC is forecast to grow at an 18.21% CAGR through 2031.

* By electrode type, cathode binders accounted for 59.67% of the battery electrode binder materials market share in 2025, while anode binders are projected to advance at an 18.33% CAGR through 2031.

* By battery chemistry, nickel manganese cobalt (NMC)/nickel cobalt aluminum (NCA) batteries held 48.73% of the battery electrode binder materials market share in 2025, while sodium-ion batteries are forecast to grow at a 17.89% CAGR through 2031.

* By application, electric vehicles held 58.56% of the battery electrode binder materials market revenue share in 2025, while battery energy storage systems are projected to grow at a 19.05% CAGR through 2031.

* By geography, Asia-Pacific held 47.25% of the battery electrode binder materials market revenue share in 2025 and is projected to grow at an 18.17% CAGR through 2031.

Key Market Trends

Market Trends and Insights
Drivers Impact Analysis of Battery Electrode Binder Materials Market*
Driver | (~) % Impact on CAGR Forecast | Geographic Relevance | Impact Timeline |

Electric Vehicle and Gigafactory Capacity Expansion | +5.8% | Global, concentrated in Asia-Pacific, North America & EU | Short term (≤ 2 years) |

Grid-Scale Battery Energy Storage Deployment | +4.2% | Global, largest near-term gains in US, China & EU | Short term (≤ 2 years) |

Silicon-Rich Anode Qualification Requirements | +2.1% | North America, EU, Asia-Pacific (Korea, Japan) | Medium term (2–4 years) |

Demand for High-Voltage and High-Nickel Cathode Stability | +1.6% | Asia-Pacific (Korea, Japan), North America, EU | Medium term (2–4 years) |

Water-Based Electrode Manufacturing Adoption | +1.5% | Global | Medium term (2–4 years) |

Dry-Electrode Process Commercialization | +1.4% | Asia-Pacific (Korea), North America, EU | Long term (≥ 4 years) |

Source: Mordor Intelligence |

Competitive Landscape

Competitive Landscape

The battery electrode binder materials market is moderately concentrated, with the top five players including Arkema, BASF, KUREHA CORPORATION, Syensqo, and ZEO N CORPORATION. Suppliers in the battery electrode binder materials market are investing in capacity and product development to serve gigafactory demand. Arkema completed its Kentucky expansion in June 2026. Kureha's Iwaki expansion targets an additional 8,000 metric tons per year.

Leading suppliers are also using contract coverage and regional production to strengthen their positions. This battery electrode binder materials market also rewards suppliers that can provide qualified grades near new cell plants. Syensqo signed multi-year Solef PVDF contracts with automotive original equipment manufacturers (OEMs) and battery manufacturers totaling more than EUR 150 million in cumulative net sales during Q1 2025. Its North American facility development with Orbia supports supply closer to Western cell plants. BASF is building a global production base for Licity anode binders, including U.S. manufacturing. These moves are intended to support qualification continuity and local supply requirements. They also show that supplier competition extends beyond capacity to application support and product validation.

Silicon anode binders and aqueous cathode processing remain areas without a single validated commercial leader. Daikin's POLYFLON BDP supports solvent-free dry-electrode processing for conventional lithium-ion and solid-state batteries. BASF's Oppanol N PLUS provides an early commercial product for solid-state battery components. Specialty polyimide and bio-based binder developers are also targeting silicon-anode and sodium-ion applications. Co-development with cell manufacturers can create durable supplier positions before wider qualification occurs. The battery electrode binder materials market remains competitive because approved supply relationships can be difficult to replace.

Battery Electrode Binder Materials Industry Leaders* Arkema

- * BASF
- * KUREHA CORPORATION
- * Syensqo
- * ZEON CORPORATION

* *Disclaimer: Major Players sorted in no particular order
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Component Component 3 Scope Of The Report Bottom

Global Battery Electrode Binder Materials Market Report Scope Battery electrode binder materials are polymeric materials that bind active materials and conductive additives to the current collector, ensuring mechanical integrity and stable electrochemical performance within battery electrodes. They play a critical role in enhancing battery durability, energy density, cycle life, and manufacturing efficiency across a wide range of rechargeable battery technologies.

The Battery Electrode Binder Materials Market is segmented by chemistry, electrode type, battery chemistry, application, and geography. By chemistry, the market is segmented into polyvinylidene fluoride (PVDF), SBR/CMC, PTFE, polyacrylic acid (PAA), and other chemistries (including alginate, bio-based, and other fluoride-free binders). By electrode type, the market is segmented into cathode binders and anode binders. By battery chemistry, the market is segmented into NMC/NCA batteries, LFP/LMFP batteries, sodium-ion batteries, solid-state batteries, and other battery chemistries (including LCO, LMO, lead-acid, and emerging chemistries).

es). By application, the market is segmented into electric vehicles, battery energy storage systems, consumer electronics, industrial applications, and other applications. The report also covers the market size and forecasts for battery electrode binder materials in 16 countries across major regions. For each segment, the market sizing and forecasts have been done on the basis of value (USD).

By Chemistry Polyvinylidene Fluoride (PVDF) |
SBR/CMC |
PTFE |
Polyacrylic Acid (PAA) |
Other Chemistries (Alginate, Bio-based, Other Fluorine-Free Binders) |

Segmentation Accordion Item

By Geography Asia-Pacific | China |
| India |
| Japan |
| South Korea |
| ASEAN Countries |
| Rest of Asia-Pacific |
North America | United States |
| Canada |
| Mexico |
Europe | Germany |
| United Kingdom |
| France |
| Italy |
| NORDIC Countries |
| Russia |
| Rest of Europe |
South America | Brazil |
| Argentina |
| Rest of South America |
Middle-East and Africa | Saudi Arabia |
| South Africa |
| Rest of Middle-East and Africa |

Frequently Asked Questions

What is the size of the battery electrode binder materials market?

The battery electrode binder materials market size stands at USD 3.17 billion in 2026 and is forecast to reach USD 6.91 billion by 2031.

Which chemistry is expected to grow fastest through 2031?

SBR/CMC is forecast to grow at an 18.21% CAGR through 2031, supported by water-based anode processing.

Why are cathode binders important for lithium-ion cells?

Cathode binders held 59.67% of the battery electrode binder materials market share in 2025 because cathode systems use higher-value materials and demanding, qualified formulations.

Which application is expected to grow fastest through 2031?

Battery energy storage systems are projected to grow at a 19.05% CAGR through 2031, supported by demand for long-cycle LFP cell configurations.