+357 96 030922
info@marketpublishers.com

Global Battery Binders Market 2023

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Abstracts

Binders in batteries are materials used to hold the active components, such as electrode materials and electrolytes, together in a cohesive structure. They play a crucial role in maintaining the integrity and stability of the battery electrodes, ensuring efficient electrical conductivity, and preventing the loss or degradation of active materials during operation.

The global battery binders market is likely to register a CAGR of over 10.9% with an incremental growth of USD 2.1 billion during the forecast period 2023-2029. The burgeoning global transition towards electric vehicles (EVs) stands as a major catalyst for the binder market in batteries. As the demand for EVs continues to surge, there is a concomitant increase in the need for high-performance batteries. Binders assume a pivotal role in enhancing the performance and durability of battery electrodes, enabling them to meet the stringent requirements set forth by EV manufacturers.

Furthermore, the incorporation of renewable energy sources such as solar and wind into the power grid necessitates efficient energy storage solutions. Batteries have emerged as a widely adopted means of energy storage, and in this context, binders play a critical role in augmenting the performance and reliability of these batteries. The growing adoption of renewable energy storage systems further contributes to the escalating demand for binders in batteries.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global battery binders market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

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Market Segmentation

Product: anode binder, cathode binder
Chemistry: carboxymethyl cellulose (CMC), polytetrafluoroethylene (PTFE), polyvinylidene fluoride (PVDF), styrene butadiene rubber (SBR), others
Process: solvent based, water based
Battery type: lead acid battery, lithium-ion battery, nickel metal hydride battery, others
End user: automotive and transportation, consumer electronics, energy and power, others
Region: North America, Europe, China, Asia-Pacific (ex. China), Rest of the World

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the product, chemistry, process, battery type, end user, and region. The global market for battery binders can be segmented by product: anode binder, cathode binder. The cathode binder segment held the largest revenue share in 2022. Battery binders market is further segmented by chemistry: carboxymethyl cellulose (CMC), polytetrafluoroethylene (PTFE), polyvinylidene fluoride (PVDF), styrene butadiene rubber (SBR), others. Among these, the PVDF segment was accounted for the highest revenue generator in 2022. Based on process, the battery binders market is segmented into: solvent based, water based. The solvent based segment captured the largest share of the market in 2022. On the basis of battery type, the battery binders market also can be divided into: lead acid battery, lithium-ion battery, nickel metal hydride battery, others. According to the research, the lithium-ion battery segment had the largest share in the global battery binders market. Battery binders market by end user is categorized into: automotive and transportation, consumer electronics, energy and power, others. The automotive and transportation segment held the largest revenue share in 2022. The battery binders market by region can be segmented into: North America, Europe, China, Asia-Pacific (ex. China), Rest of the World. Among these, China was accounted for the highest revenue generator in 2022.

Major Companies and Competitive Landscape

The market research report covers the analysis of key stake holders of the global battery binders market. Some of the leading players profiled in the report include APV Engineered Coatings, Inc., Arkema S.A., Ashland Global Holdings Inc., BASF SE, Blue Ocean & Black Stone Technology Co., Ltd., Daikin Industries, Ltd., DuPont de Nemours Inc., I.S.T Corporation, Ionic Materials, Inc., Kureha Corporation, Northvolt AB, Princeton NuEnergy Inc., Resonac Holdings Corporation, Sakuu Corporation, Sicona Battery Technologies Pty Ltd., Solvay S.A., Synthomer plc, Synthomer plc, Targray Technology International Inc., The Lubrizol Corporation, Trinseo S.A., Zeon Corporation, among others. In this report, key players and their strategies are

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thoroughly analyzed to understand the competitive outlook of the market.

Scope of the Report
To analyze and forecast the market size of the global battery binders market.
To classify and forecast the global battery binders market based on product, chemistry, process, battery type, end user, region.
To identify drivers and challenges for the global battery binders market.
To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global battery binders market.
To identify and analyze the profile of leading players operating in the global battery binders market.

Why Choose This Report
Gain a reliable outlook of the global battery binders market forecasts from 2023 to 2029 across scenarios.
Identify growth segments for investment.
Stay ahead of competitors through company profiles and market data.
The market estimate for ease of analysis across scenarios in Excel format.
Strategy consulting and research support for three months.
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