+357 96 030922
info@marketpublishers.com

Global Lithium-ion Battery Packaging Materials Market 2026 by Company, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/G4735396B494EN.html
Date: July 2026
Pages: 196
Price: US$ 3,480.00 (Single User License)
ID: G4735396B494EN

Abstracts

According to our (Global Info Research) latest study, the global Lithium-ion Battery Packaging Materials market size was valued at US$ 8808 million in 2025 and is forecast to a readjusted size of US$ 16594 million by 2032 with a CAGR of 9.6% during review period.

Lithium-ion Battery Packaging Materials define the physical safety boundary, form-factor flexibility, and lightweight potential of pouch-format lithium-ion cells, with aluminum-laminated pouch film as the core product and tab-seal film, casing components, insulation films, lids, and localized sealing materials as adjacent categories. A typical pouch laminate consists of an outer nylon or PET protection layer, an aluminum foil barrier layer, and an inner CPP/MPP heat-seal layer bonded through adhesive systems. Its role is not conventional packaging; it isolates electrodes, electrolyte, and separators from moisture, oxygen, mechanical stress, and electrochemical corrosion. Compared with cylindrical and prismatic metal cans, pouch packaging offers lower weight, thinner profiles, higher design flexibility, and shorter heat-transfer paths, which explains its relevance across consumer electronics, drones, EV batteries, energy storage systems, and pilot-scale semi-solid or solid-state batteries.

The performance of Lithium-ion Battery Packaging Materials is primarily assessed through barrier properties, formability, heat-seal reliability, electrolyte resistance, mechanical durability, and long-term aging stability. Commercial aluminum-laminated films are commonly supplied in approximate thickness levels of 88?m, 113?m, and 152/153?m. The 88?m grade is mainly used in slim consumer cells; 113?m covers consumer and smaller power applications; 152/153?m is more typical for EV and ESS pouch cells. Key technical parameters include forming depth above 5mm, heat-sealing

+357 96 030922
info@marketpublishers.com

windows around 180?190?C, peel strength at the N/15mm level, heat-seal strength above 20N/15mm, strong moisture barrier, hydrofluoric-acid resistance, and seal integrity after high temperature, vibration, drop impact, and cycling-induced swelling. As pouch cells scale up, defects such as pinholes, wrinkles, delamination, edge-seal failure, and non-uniform stress become more material; therefore, production consistency and process tolerance often matter more than isolated lab data.

The technology roadmap for Lithium-ion Battery Packaging Materials is centered on dry lamination, thermal lamination, and hybrid dry-thermal processes. Dry-process pouch films are strong in appearance, cutting quality, insulation, and formability, making them well established in consumer applications. Thermal-process films emphasize inner-layer bonding and electrolyte resistance, which are more relevant in high-reliability applications. EV and ESS use cases require tighter control of interlayer adhesion, aluminum foil surface treatment, CPP/MPP modification, electrolyte-resistant adhesives, edge-sealing conditions, and batch stability. The upstream chain includes aluminum foil, nylon/PET films, CPP/PP films, adhesives, surface-treatment chemicals, and coating/lamination equipment. The midstream covers lamination, aging, slitting, inspection, and forming validation. Downstream demand comes from pouch-cell and hybrid-format battery manufacturers serving IT devices, mobility, and stationary storage. In China, domestic substitution has moved from consumer electronics toward EV and ESS applications, but automotive qualification cycles remain longer and more demanding than 3C validation.

The competitive landscape of Lithium-ion Battery Packaging Materials still reflects the first-mover strength of Japanese and Korean suppliers in high-end pouch film, represented by DNP, Resonac, and Youlchon Chemical, while China?s supplier base includes Zijiang New Material, Daoming Optics, Crown Material, Suda Huicheng, FSPG Hi-tech, Andelie, Putilai-related platforms, Jiangsu Leeden, Hangzhou First, Wazam, and SEMCORP. DNP positions battery pouches as exterior materials for lithium-ion batteries, emphasizing moisture barrier, electrolyte seal durability, insulation, hydrofluoric-acid resistance, and formability. Resonac?s SPALF is a resin-film and aluminum-foil laminated composite material for pouch-type lithium-ion batteries. Youlchon Chemical remains an important Korean pouch-chain supplier. Recent industry developments show two clear directions: overseas localization and demand reallocation. DNP?s North Carolina plan for automotive battery pouch slitting and future manufacturing involves a US$233 million investment, while Korean pouch-film suppliers have been adjusting customer exposure after North American EV contract changes and redirecting resources toward LGES and ESS demand. A parallel transaction in adjacent battery foil materials illustrates the same strategic logic: Wanshun New Material?s Hong

+357 96 030922
info@marketpublishers.com

Kong subsidiary acquired 100% of Eurofoil Luxembourg for approximately ?12.3889 million, adding European foil and sheet capacity exposure and reinforcing the global footprint of China-linked battery material supply.

The growth logic of Lithium-ion Battery Packaging Materials is shifting from simple pouch penetration toward a combination of high-reliability pouch cells, ESS pouch applications, semi-solid/solid-state packaging, and regionalized supply chains. Pouch cells are not the default format for every EV platform, but their advantages in energy density, lightweighting, customized geometry, and pack integration continue to support demand in selected vehicle platforms, low-altitude mobility, robotics, power tools, and premium consumer electronics. ESS applications require cost discipline, cycle durability, and safety redundancy, which drives demand for thicker, weather-resistant, and more stable sealing structures. Semi-solid and solid-state batteries raise the bar for pressure tolerance, interface stability, long-term sealing, and low moisture permeability. The key trends are clear: thinner yet higher-barrier materials, faster automotive validation by Chinese suppliers, dual-sourcing and localization by global battery customers, and the migration of pouch film from a peripheral consumable to a critical material affecting safety, energy density, and manufacturing yield. Battery aluminum foil, PVDF binders, and separator-coating materials overlap with this value chain, but under a strict definition they should be treated as battery base materials or electrode/separator materials rather than core pouch packaging materials.

This report is a detailed and comprehensive analysis for global Lithium-ion Battery Packaging Materials market. Both quantitative and qualitative analyses are presented by company, 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 Packaging Materials market size and forecasts, in consumption value ($ Million), 2021-2032

Global Lithium-ion Battery Packaging Materials market size and forecasts by region and country, in consumption value ($ Million), 2021-2032

Global Lithium-ion Battery Packaging Materials market size and forecasts, by Type and

+357 96 030922
info@marketpublishers.com

by Application, in consumption value ($ Million), 2021-2032

Global Lithium-ion Battery Packaging Materials market shares of main players, in revenue ($ Million), 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 Packaging Materials

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 Packaging Materials market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Toppan, Dai Nippon Printing, Biaxis, Resonac, Youlchon Chemical, SELEN Science & Technology, Zijiang New Material, Daoming Optics, Crown Material, Suda Huicheng, etc.

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

Market segmentation

Lithium-ion Battery Packaging Materials 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. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Film

Adhesive

+357 96 030922
info@marketpublishers.com

Aluminum Foil

Others

Market segment by Packaging

Pouch

Cylindrical

Prismatic

Market segment by Application

Lithium-ion Battery for EVs

Lithium-ion Battery for 3C Products

Lithium-ion Battery for Energy Storage Systems

Market segment by players, this report covers

Toppan

Dai Nippon Printing

Biaxis

Resonac

Youlchon Chemical

SELEN Science & Technology

Zijiang New Material

+357 96 030922
info@marketpublishers.com

Daoming Optics

Crown Material

Suda Huicheng

FSPG Hi-tech

Guangdong Andelie New Material

PUTAILAI

Jiangsu Leeden

HANGZHOU FIRST

WAZAM

Jangsu Huagu

SEMCORP

Tonytech

BASF

Kureha

Arkema

Solvay

Zhejiang Fluorine Chemical

Sinochem Lantian

Shandong Huaxia Shenzhou New Materials

Shanghai 3F New Materials

+357 96 030922
info@marketpublishers.com

Eternal Materials

Ding Sheng New Material

North China Aluminium

UACJ

Lotte

Yong Jie New Material

Nanshan

Xiashun

Dongwon Systems

Yunnan Aluminium

SAMA

Toyo

DONG-IL

Wanshun New Material

Alcha

Symetal

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

+357 96 030922
info@marketpublishers.com

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

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

Chapter 2, to profile the top players of Lithium-ion Battery Packaging Materials, with revenue, gross margin, and global market share of Lithium-ion Battery Packaging Materials from 2021 to 2026.

Chapter 3, the Lithium-ion Battery Packaging Materials competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026.and Lithium-ion Battery Packaging Materials market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Lithium-ion Battery Packaging Materials.

Chapter 13, to describe Lithium-ion Battery Packaging Materials research findings and conclusion.

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

2 COMPANY PROFILES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

3 MARKET COMPETITION, BY PLAYERS

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Lithium-ion Battery Packaging Materials Market 2026 by Company, Regions, Type and Application, Forecast to 2032

Product link: https://marketpublishers.com/r/G4735396B494EN.html

Price: US$ 3,480.00 (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/G4735396B494EN.html