

Global Three-Layer Co-extruded Lithium-ion Battery Separator Market Growth 2026-2032

<https://marketpublishers.com/r/GF11682A9D48EN.html>

Date: October 2026

Pages: 88

Price: US\$ 3,660.00 (Single User License)

ID: GF11682A9D48EN

Abstracts

The global Three-Layer Co-extruded Lithium-ion Battery Separator market size is predicted to grow from US\$ 483 million in 2025 to US\$ 757 million in 2032; it is expected to grow at a CAGR of 6.7% from 2026 to 2032.

The three-layer co-extruded lithium-ion battery separator is a product formed by combining different polyolefin materials into a single unit using a multi-layer co-extrusion process; it typically features a polypropylene (PP)/polyethylene (PE)/polypropylene (PP) structure. By integrating the performance advantages of different material layers, the product enhances the separator's thermal stability, safety, and mechanical strength while maintaining effective lithium-ion transport capabilities. In 2025, global sales volume for this product reached 2.35 billion square meters, with a production capacity of approximately 3.1 billion square meters; the average selling price was \$0.21 per square meter, and the average gross profit margin ranged from 25% to 35%.

The upstream segment of the industry chain primarily involves the supply of raw materials and equipment. This includes polyolefin resins such as polypropylene (PP) and polyethylene (PE), as well as modifying agents like antioxidants, nucleating agents, and processing aids. It also encompasses production machinery such as extruders, casting equipment, stretching units, heat treatment systems, and testing equipment; high-purity polyolefin materials and multi-layer co-extrusion equipment are critical factors influencing separator performance and consistency. The midstream segment consists of the manufacturing process, where companies utilize techniques such as polymer formulation design, multi-layer co-extrusion, micropore formation, biaxial stretching, heat setting, and surface treatment to transform the PP/PE/PP structure into separators capable of ion conduction and thermal safety protection. The downstream segment focuses on lithium-ion battery manufacturing, covering power batteries for new

energy vehicles (NEVs), energy storage batteries, consumer electronics batteries, and other industrial batteries; power batteries and energy storage batteries represent the primary drivers of future demand growth. As the NEV and energy storage industries continue to develop, the three-layer co-extruded separator industry chain is evolving toward thinner profiles, higher strength, enhanced safety, composite coating technologies, and large-scale production.

The development of three-layer co-extruded separator technology focuses primarily on optimizing material systems, upgrading structural designs, and achieving functional integration. Traditional PP/PE/PP three-layer structures ensure battery safety by combining the high melting point and mechanical strength of the PP layers with the low-temperature pore-closing capability of the PE layer. Future products will trend toward reduced thickness, increased strength, and lower thermal shrinkage, while simultaneously enhancing high-temperature stability and cycle performance through methods such as ceramic coating, heat-resistant coating, and functional modification. Furthermore, as the energy density of power batteries rises, separator manufacturers are developing multi-layer composite structures and high-safety separators to meet the demands of high-rate charging/discharging and operation in extreme environments.

Global policies supporting the new energy vehicle (NEV) industry and energy storage, alongside carbon emission regulations, continue to drive demand for lithium-ion battery materials. Major markets—including China, Europe, and the United States—have implemented policies promoting NEVs, energy storage infrastructure, and the localization of battery supply chains, thereby providing long-term growth momentum for the lithium-ion battery separator industry. Meanwhile, increasingly stringent safety regulations for power batteries are compelling manufacturers to place greater emphasis on the thermal stability and safety performance of separators. In recent years, China's lithium-ion battery separator industry has continuously expanded production capacity, and the global supply chain has increasingly concentrated in Asia—particularly China; however, the industry also faces challenges such as periodic overcapacity, declining product prices, and pressure on corporate profitability.

Report Scope

LP Information, Inc. (LPI) ' newest research report, the “Three-Layer Co-extruded Lithium-ion Battery Separator Industry Forecast” looks at past sales and reviews total world Three-Layer Co-extruded Lithium-ion Battery Separator sales in 2025, providing a comprehensive analysis by region and market sector of projected Three-Layer Co-extruded Lithium-ion Battery Separator sales for 2026 through 2032. With Three-Layer

Co-extruded Lithium-ion Battery Separator sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Three-Layer Co-extruded Lithium-ion Battery Separator industry.

This Insight Report provides a comprehensive analysis of the global Three-Layer Co-extruded Lithium-ion Battery Separator landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Three-Layer Co-extruded Lithium-ion Battery Separator portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Three-Layer Co-extruded Lithium-ion Battery Separator market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Three-Layer Co-extruded Lithium-ion Battery Separator and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Three-Layer Co-extruded Lithium-ion Battery Separator.

This report presents a comprehensive overview, market shares, and growth opportunities of Three-Layer Co-extruded Lithium-ion Battery Separator market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Dry-Process Three-Layer Co-Extruded Separator

Wet-Process Three-Layer Co-Extruded Separator

Segmentation by Thickness:

7–10 ?m

10–16 ?m

16–25 ?m

Segmentation by Material Combination:

PP/PP/PP

PP/PE/PP

Segmentation by Application:

Power Batteries

Energy Storage Batteries

Consumer Batteries

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Celgard

Asahi Kasei

Toray

SK Innovation

Huiqiang New Materials

Bosheng New Materials

Zhongxing New Materials

BenQ Materials

Key Questions Addressed in this Report

What is the 10-year outlook for the global Three-Layer Co-extruded Lithium-ion Battery Separator market?

What factors are driving Three-Layer Co-extruded Lithium-ion Battery Separator market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Three-Layer Co-extruded Lithium-ion Battery Separator market opportunities vary by end market size?

How does Three-Layer Co-extruded Lithium-ion Battery Separator break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

2.1.1 Global Three-Layer Co-extruded Lithium-ion Battery Separator Annual Sales 2021-2032

2.1.2 World Current & Future Analysis for Three-Layer Co-extruded Lithium-ion Battery Separator by Geographic Region, 2021, 2025 & 2032

2.1.3 World Current & Future Analysis for Three-Layer Co-extruded Lithium-ion Battery Separator by Country/Region, 2021, 2025 & 2032

2.2 Three-Layer Co-extruded Lithium-ion Battery Separator Segment by Type

2.2.1 Dry-Process Three-Layer Co-Extruded Separator

2.2.2 Wet-Process Three-Layer Co-Extruded Separator

2.2.3 Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Type

2.2.3.1 Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Type (2021-2026)

2.2.3.2 Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue and Market Share by Type (2021-2026)

2.2.3.3 Global Three-Layer Co-extruded Lithium-ion Battery Separator Sale Price by Type (2021-2026)

2.3 Three-Layer Co-extruded Lithium-ion Battery Separator Segment by Thickness

2.3.1 7–10 ?m

2.3.2 10–16 ?m

2.3.3 16–25 ?m

2.3.4 Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Thickness

2.3.4.1 Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Thickness (2021-2026)

2.3.4.2 Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue and Market Share by Thickness (2021-2026)

2.3.4.3 Global Three-Layer Co-extruded Lithium-ion Battery Separator Sale Price by Thickness (2021-2026)

2.4 Three-Layer Co-extruded Lithium-ion Battery Separator Segment by Material Combination

2.4.1 PP/PP/PP

2.4.2 PP/PE/PP

2.4.3 Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Material Combination

2.4.3.1 Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Material Combination (2021-2026)

2.4.3.2 Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue and Market Share by Material Combination (2021-2026)

2.4.3.3 Global Three-Layer Co-extruded Lithium-ion Battery Separator Sale Price by Material Combination (2021-2026)

2.5 Three-Layer Co-extruded Lithium-ion Battery Separator Segment by Application

2.5.1 Power Batteries

2.5.2 Energy Storage Batteries

2.5.3 Consumer Batteries

2.5.4 Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Application

2.5.4.1 Global Three-Layer Co-extruded Lithium-ion Battery Separator Sale Market Share by Application (2021-2026)

2.5.4.2 Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue and Market Share by Application (2021-2026)

2.5.4.3 Global Three-Layer Co-extruded Lithium-ion Battery Separator Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Three-Layer Co-extruded Lithium-ion Battery Separator Breakdown Data by Company

3.1.1 Global Three-Layer Co-extruded Lithium-ion Battery Separator Annual Sales by Company (2021-2026)

3.1.2 Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Company (2021-2026)

3.2 Global Three-Layer Co-extruded Lithium-ion Battery Separator Annual Revenue by Company (2021-2026)

3.2.1 Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue by

Company (2021-2026)

3.2.2 Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Company (2021-2026)

3.3 Global Three-Layer Co-extruded Lithium-ion Battery Separator Sale Price by Company

3.4 Key Manufacturers Three-Layer Co-extruded Lithium-ion Battery Separator Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Three-Layer Co-extruded Lithium-ion Battery Separator Product Location Distribution

3.4.2 Players Three-Layer Co-extruded Lithium-ion Battery Separator Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR THREE-LAYER CO-EXTRUDED LITHIUM-ION BATTERY SEPARATOR BY GEOGRAPHIC REGION

4.1 World Historic Three-Layer Co-extruded Lithium-ion Battery Separator Market Size by Geographic Region (2021-2026)

4.1.1 Global Three-Layer Co-extruded Lithium-ion Battery Separator Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Three-Layer Co-extruded Lithium-ion Battery Separator Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Three-Layer Co-extruded Lithium-ion Battery Separator Market Size by Country/Region (2021-2026)

4.2.1 Global Three-Layer Co-extruded Lithium-ion Battery Separator Annual Sales by Country/Region (2021-2026)

4.2.2 Global Three-Layer Co-extruded Lithium-ion Battery Separator Annual Revenue by Country/Region (2021-2026)

4.3 Americas Three-Layer Co-extruded Lithium-ion Battery Separator Sales Growth

4.4 APAC Three-Layer Co-extruded Lithium-ion Battery Separator Sales Growth

4.5 Europe Three-Layer Co-extruded Lithium-ion Battery Separator Sales Growth

4.6 Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator Sales Growth

5 AMERICAS

5.1 Americas Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Country

5.1.1 Americas Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Country (2021-2026)

5.1.2 Americas Three-Layer Co-extruded Lithium-ion Battery Separator Revenue by Country (2021-2026)

5.2 Americas Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Type (2021-2026)

5.3 Americas Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Region

6.1.1 APAC Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Region (2021-2026)

6.1.2 APAC Three-Layer Co-extruded Lithium-ion Battery Separator Revenue by Region (2021-2026)

6.2 APAC Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Type (2021-2026)

6.3 APAC Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Three-Layer Co-extruded Lithium-ion Battery Separator by Country

7.1.1 Europe Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Country (2021-2026)

7.1.2 Europe Three-Layer Co-extruded Lithium-ion Battery Separator Revenue by Country (2021-2026)

7.2 Europe Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Type (2021-2026)

7.3 Europe Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator by Country

8.1.1 Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Country (2021-2026)

8.1.2 Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator Revenue by Country (2021-2026)

8.2 Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Type (2021-2026)

8.3 Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Three-Layer Co-extruded Lithium-ion Battery Separator

10.3 Manufacturing Process Analysis of Three-Layer Co-extruded Lithium-ion Battery Separator

10.4 Industry Chain Structure of Three-Layer Co-extruded Lithium-ion Battery Separator

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Three-Layer Co-extruded Lithium-ion Battery Separator Distributors

11.3 Three-Layer Co-extruded Lithium-ion Battery Separator Customer

12 WORLD FORECAST REVIEW FOR THREE-LAYER CO-EXTRUDED LITHIUM-ION BATTERY SEPARATOR BY GEOGRAPHIC REGION

12.1 Global Three-Layer Co-extruded Lithium-ion Battery Separator Market Size Forecast by Region

12.1.1 Global Three-Layer Co-extruded Lithium-ion Battery Separator Forecast by Region (2027-2032)

12.1.2 Global Three-Layer Co-extruded Lithium-ion Battery Separator Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Three-Layer Co-extruded Lithium-ion Battery Separator Forecast by Type (2027-2032)

12.7 Global Three-Layer Co-extruded Lithium-ion Battery Separator Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Celgard

13.1.1 Celgard Company Information

13.1.2 Celgard Three-Layer Co-extruded Lithium-ion Battery Separator Product Portfolios and Specifications

13.1.3 Celgard Three-Layer Co-extruded Lithium-ion Battery Separator Sales,

Revenue, Price and Gross Margin (2021-2026)

13.1.4 Celgard Main Business Overview

13.1.5 Celgard Latest Developments

13.2 Asahi Kasei

13.2.1 Asahi Kasei Company Information

13.2.2 Asahi Kasei Three-Layer Co-extruded Lithium-ion Battery Separator Product

Portfolios and Specifications

13.2.3 Asahi Kasei Three-Layer Co-extruded Lithium-ion Battery Separator Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Asahi Kasei Main Business Overview

13.2.5 Asahi Kasei Latest Developments

13.3 Toray

13.3.1 Toray Company Information

13.3.2 Toray Three-Layer Co-extruded Lithium-ion Battery Separator Product

Portfolios and Specifications

13.3.3 Toray Three-Layer Co-extruded Lithium-ion Battery Separator Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Toray Main Business Overview

13.3.5 Toray Latest Developments

13.4 SK Innovation

13.4.1 SK Innovation Company Information

13.4.2 SK Innovation Three-Layer Co-extruded Lithium-ion Battery Separator Product

Portfolios and Specifications

13.4.3 SK Innovation Three-Layer Co-extruded Lithium-ion Battery Separator Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 SK Innovation Main Business Overview

13.4.5 SK Innovation Latest Developments

13.5 Huiqiang New Materials

13.5.1 Huiqiang New Materials Company Information

13.5.2 Huiqiang New Materials Three-Layer Co-extruded Lithium-ion Battery Separator Product Portfolios and Specifications

13.5.3 Huiqiang New Materials Three-Layer Co-extruded Lithium-ion Battery Separator Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 Huiqiang New Materials Main Business Overview

13.5.5 Huiqiang New Materials Latest Developments

13.6 Bosheng New Materials

13.6.1 Bosheng New Materials Company Information

13.6.2 Bosheng New Materials Three-Layer Co-extruded Lithium-ion Battery Separator Product Portfolios and Specifications

13.6.3 Bosheng New Materials Three-Layer Co-extruded Lithium-ion Battery Separator Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Bosheng New Materials Main Business Overview

13.6.5 Bosheng New Materials Latest Developments

13.7 Zhongxing New Materials

13.7.1 Zhongxing New Materials Company Information

13.7.2 Zhongxing New Materials Three-Layer Co-extruded Lithium-ion Battery Separator Product Portfolios and Specifications

13.7.3 Zhongxing New Materials Three-Layer Co-extruded Lithium-ion Battery Separator Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Zhongxing New Materials Main Business Overview

13.7.5 Zhongxing New Materials Latest Developments

13.8 BenQ Materials

13.8.1 BenQ Materials Company Information

13.8.2 BenQ Materials Three-Layer Co-extruded Lithium-ion Battery Separator Product Portfolios and Specifications

13.8.3 BenQ Materials Three-Layer Co-extruded Lithium-ion Battery Separator Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 BenQ Materials Main Business Overview

13.8.5 BenQ Materials Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Three-Layer Co-extruded Lithium-ion Battery Separator Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Three-Layer Co-extruded Lithium-ion Battery Separator Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Dry-Process Three-Layer Co-Extruded Separator

Table 4. Major Players of Wet-Process Three-Layer Co-Extruded Separator

Table 5. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Type (2021-2026) & (K Sqm)

Table 6. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Type (2021-2026)

Table 7. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue by Type (2021-2026) & (\$ million)

Table 8. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Type (2021-2026)

Table 9. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sale Price by Type (2021-2026) & (US\$/Sq m)

Table 10. Major Players of 7–10 ?m

Table 11. Major Players of 10–16 ?m

Table 12. Major Players of 16–25 ?m

Table 13. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Thickness (2021-2026) & (K Sqm)

Table 14. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Thickness (2021-2026)

Table 15. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue by Thickness (2021-2026) & (\$ million)

Table 16. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Thickness (2021-2026)

Table 17. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sale Price by Thickness (2021-2026) & (US\$/Sq m)

Table 18. Major Players of PP/PP/PP

Table 19. Major Players of PP/PE/PP

Table 20. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Material Combination (2021-2026) & (K Sqm)

Table 21. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Material Combination (2021-2026)

Table 22. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue by Material Combination (2021-2026) & (\$ million)

Table 23. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Material Combination (2021-2026)

Table 24. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sale Price by Material Combination (2021-2026) & (US\$/Sq m)

Table 25. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sale by Application (2021-2026) & (K Sqm)

Table 26. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sale Market Share by Application (2021-2026)

Table 27. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue by Application (2021-2026) & (\$ million)

Table 28. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Application (2021-2026)

Table 29. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sale Price by Application (2021-2026) & (US\$/Sq m)

Table 30. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Company (2021-2026) & (K Sqm)

Table 31. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Company (2021-2026)

Table 32. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue by Company (2021-2026) & (\$ millions)

Table 33. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Company (2021-2026)

Table 34. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sale Price by Company (2021-2026) & (US\$/Sq m)

Table 35. Key Manufacturers Three-Layer Co-extruded Lithium-ion Battery Separator Producing Area Distribution and Sales Area

Table 36. Players Three-Layer Co-extruded Lithium-ion Battery Separator Products Offered

Table 37. Three-Layer Co-extruded Lithium-ion Battery Separator Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 38. New Products and Potential Entrants

Table 39. Market M&A Activity & Strategy

Table 40. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Geographic Region (2021-2026) & (K Sqm)

Table 41. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share Geographic Region (2021-2026)

Table 42. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue by

Geographic Region (2021-2026) & (\$ millions)

Table 43. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Geographic Region (2021-2026)

Table 44. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Country/Region (2021-2026) & (K Sqm)

Table 45. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Country/Region (2021-2026)

Table 46. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue by Country/Region (2021-2026) & (\$ millions)

Table 47. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Country/Region (2021-2026)

Table 48. Americas Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Country (2021-2026) & (K Sqm)

Table 49. Americas Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Country (2021-2026)

Table 50. Americas Three-Layer Co-extruded Lithium-ion Battery Separator Revenue by Country (2021-2026) & (\$ millions)

Table 51. Americas Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Type (2021-2026) & (K Sqm)

Table 52. Americas Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Application (2021-2026) & (K Sqm)

Table 53. APAC Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Region (2021-2026) & (K Sqm)

Table 54. APAC Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Region (2021-2026)

Table 55. APAC Three-Layer Co-extruded Lithium-ion Battery Separator Revenue by Region (2021-2026) & (\$ millions)

Table 56. APAC Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Type (2021-2026) & (K Sqm)

Table 57. APAC Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Application (2021-2026) & (K Sqm)

Table 58. Europe Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Country (2021-2026) & (K Sqm)

Table 59. Europe Three-Layer Co-extruded Lithium-ion Battery Separator Revenue by Country (2021-2026) & (\$ millions)

Table 60. Europe Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Type (2021-2026) & (K Sqm)

Table 61. Europe Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Application (2021-2026) & (K Sqm)

Table 62. Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Country (2021-2026) & (K Sqm)
Table 63. Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Country (2021-2026)
Table 64. Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Type (2021-2026) & (K Sqm)
Table 65. Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Application (2021-2026) & (K Sqm)
Table 66. Key Market Drivers & Growth Opportunities of Three-Layer Co-extruded Lithium-ion Battery Separator
Table 67. Key Market Challenges & Risks of Three-Layer Co-extruded Lithium-ion Battery Separator
Table 68. Key Industry Trends of Three-Layer Co-extruded Lithium-ion Battery Separator
Table 69. Three-Layer Co-extruded Lithium-ion Battery Separator Raw Material
Table 70. Key Suppliers of Raw Materials
Table 71. Three-Layer Co-extruded Lithium-ion Battery Separator Distributors List
Table 72. Three-Layer Co-extruded Lithium-ion Battery Separator Customer List
Table 73. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Forecast by Region (2027-2032) & (K Sqm)
Table 74. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 75. Americas Three-Layer Co-extruded Lithium-ion Battery Separator Sales Forecast by Country (2027-2032) & (K Sqm)
Table 76. Americas Three-Layer Co-extruded Lithium-ion Battery Separator Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 77. APAC Three-Layer Co-extruded Lithium-ion Battery Separator Sales Forecast by Region (2027-2032) & (K Sqm)
Table 78. APAC Three-Layer Co-extruded Lithium-ion Battery Separator Annual Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 79. Europe Three-Layer Co-extruded Lithium-ion Battery Separator Sales Forecast by Country (2027-2032) & (K Sqm)
Table 80. Europe Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 81. Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator Sales Forecast by Country (2027-2032) & (K Sqm)
Table 82. Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 83. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales

Forecast by Type (2027-2032) & (K Sqm)

Table 84. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue

Forecast by Type (2027-2032) & (\$ millions)

Table 85. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales

Forecast by Application (2027-2032) & (K Sqm)

Table 86. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue

Forecast by Application (2027-2032) & (\$ millions)

Table 87. Celgard Basic Information, Three-Layer Co-extruded Lithium-ion Battery Separator Manufacturing Base, Sales Area and Its Competitors

Table 88. Celgard Three-Layer Co-extruded Lithium-ion Battery Separator Product Portfolios and Specifications

Table 89. Celgard Three-Layer Co-extruded Lithium-ion Battery Separator Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sq m) and Gross Margin (2021-2026)

Table 90. Celgard Main Business

Table 91. Celgard Latest Developments

Table 92. Asahi Kasei Basic Information, Three-Layer Co-extruded Lithium-ion Battery Separator Manufacturing Base, Sales Area and Its Competitors

Table 93. Asahi Kasei Three-Layer Co-extruded Lithium-ion Battery Separator Product Portfolios and Specifications

Table 94. Asahi Kasei Three-Layer Co-extruded Lithium-ion Battery Separator Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sq m) and Gross Margin (2021-2026)

Table 95. Asahi Kasei Main Business

Table 96. Asahi Kasei Latest Developments

Table 97. Toray Basic Information, Three-Layer Co-extruded Lithium-ion Battery Separator Manufacturing Base, Sales Area and Its Competitors

Table 98. Toray Three-Layer Co-extruded Lithium-ion Battery Separator Product Portfolios and Specifications

Table 99. Toray Three-Layer Co-extruded Lithium-ion Battery Separator Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sq m) and Gross Margin (2021-2026)

Table 100. Toray Main Business

Table 101. Toray Latest Developments

Table 102. SK Innovation Basic Information, Three-Layer Co-extruded Lithium-ion Battery Separator Manufacturing Base, Sales Area and Its Competitors

Table 103. SK Innovation Three-Layer Co-extruded Lithium-ion Battery Separator Product Portfolios and Specifications

Table 104. SK Innovation Three-Layer Co-extruded Lithium-ion Battery Separator Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sq m) and Gross Margin (2021-2026)

Table 105. SK Innovation Main Business

Table 106. SK Innovation Latest Developments

Table 107. Huiqiang New Materials Basic Information, Three-Layer Co-extruded Lithium-ion Battery Separator Manufacturing Base, Sales Area and Its Competitors

Table 108. Huiqiang New Materials Three-Layer Co-extruded Lithium-ion Battery Separator Product Portfolios and Specifications

Table 109. Huiqiang New Materials Three-Layer Co-extruded Lithium-ion Battery Separator Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sq m) and Gross Margin (2021-2026)

Table 110. Huiqiang New Materials Main Business

Table 111. Huiqiang New Materials Latest Developments

Table 112. Bosheng New Materials Basic Information, Three-Layer Co-extruded Lithium-ion Battery Separator Manufacturing Base, Sales Area and Its Competitors

Table 113. Bosheng New Materials Three-Layer Co-extruded Lithium-ion Battery Separator Product Portfolios and Specifications

Table 114. Bosheng New Materials Three-Layer Co-extruded Lithium-ion Battery Separator Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sq m) and Gross Margin (2021-2026)

Table 115. Bosheng New Materials Main Business

Table 116. Bosheng New Materials Latest Developments

Table 117. Zhongxing New Materials Basic Information, Three-Layer Co-extruded Lithium-ion Battery Separator Manufacturing Base, Sales Area and Its Competitors

Table 118. Zhongxing New Materials Three-Layer Co-extruded Lithium-ion Battery Separator Product Portfolios and Specifications

Table 119. Zhongxing New Materials Three-Layer Co-extruded Lithium-ion Battery Separator Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sq m) and Gross Margin (2021-2026)

Table 120. Zhongxing New Materials Main Business

Table 121. Zhongxing New Materials Latest Developments

Table 122. BenQ Materials Basic Information, Three-Layer Co-extruded Lithium-ion Battery Separator Manufacturing Base, Sales Area and Its Competitors

Table 123. BenQ Materials Three-Layer Co-extruded Lithium-ion Battery Separator Product Portfolios and Specifications

Table 124. BenQ Materials Three-Layer Co-extruded Lithium-ion Battery Separator Sales (K Sqm), Revenue (\$ Million), Price (US\$/Sq m) and Gross Margin (2021-2026)

Table 125. BenQ Materials Main Business

Table 126. BenQ Materials Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Three-Layer Co-extruded Lithium-ion Battery Separator
- Figure 2. Three-Layer Co-extruded Lithium-ion Battery Separator Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Growth Rate 2021-2032 (K Sqm)
- Figure 7. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Country/Region (2025)
- Figure 10. Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Dry-Process Three-Layer Co-Extruded Separator
- Figure 12. Product Picture of Wet-Process Three-Layer Co-Extruded Separator
- Figure 13. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Type in 2026
- Figure 14. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Type (2021-2026)
- Figure 15. Product Picture of 7–10 ?m
- Figure 16. Product Picture of 10–16 ?m
- Figure 17. Product Picture of 16–25 ?m
- Figure 18. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Thickness in 2026
- Figure 19. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Thickness (2021-2026)
- Figure 20. Product Picture of PP/PP/PP
- Figure 21. Product Picture of PP/PE/PP
- Figure 22. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Material Combination in 2026
- Figure 23. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Material Combination (2021-2026)

Figure 24. Three-Layer Co-extruded Lithium-ion Battery Separator Consumed in Power Batteries

Figure 25. Global Three-Layer Co-extruded Lithium-ion Battery Separator Market: Power Batteries (2021-2026) & (K Sqm)

Figure 26. Three-Layer Co-extruded Lithium-ion Battery Separator Consumed in Energy Storage Batteries

Figure 27. Global Three-Layer Co-extruded Lithium-ion Battery Separator Market: Energy Storage Batteries (2021-2026) & (K Sqm)

Figure 28. Three-Layer Co-extruded Lithium-ion Battery Separator Consumed in Consumer Batteries

Figure 29. Global Three-Layer Co-extruded Lithium-ion Battery Separator Market: Consumer Batteries (2021-2026) & (K Sqm)

Figure 30. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sale Market Share by Application (2025)

Figure 31. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Application in 2025

Figure 32. Three-Layer Co-extruded Lithium-ion Battery Separator Sales by Company in 2025 (K Sqm)

Figure 33. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Company in 2025

Figure 34. Three-Layer Co-extruded Lithium-ion Battery Separator Revenue by Company in 2025 (\$ millions)

Figure 35. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Company in 2025

Figure 36. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Geographic Region (2021-2026)

Figure 37. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Geographic Region in 2025

Figure 38. Americas Three-Layer Co-extruded Lithium-ion Battery Separator Sales 2021-2026 (K Sqm)

Figure 39. Americas Three-Layer Co-extruded Lithium-ion Battery Separator Revenue 2021-2026 (\$ millions)

Figure 40. APAC Three-Layer Co-extruded Lithium-ion Battery Separator Sales 2021-2026 (K Sqm)

Figure 41. APAC Three-Layer Co-extruded Lithium-ion Battery Separator Revenue 2021-2026 (\$ millions)

Figure 42. Europe Three-Layer Co-extruded Lithium-ion Battery Separator Sales 2021-2026 (K Sqm)

Figure 43. Europe Three-Layer Co-extruded Lithium-ion Battery Separator Revenue

2021-2026 (\$ millions)

Figure 44. Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator Sales 2021-2026 (K Sqm)

Figure 45. Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator Revenue 2021-2026 (\$ millions)

Figure 46. Americas Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Country in 2025

Figure 47. Americas Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Country (2021-2026)

Figure 48. Americas Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Type (2021-2026)

Figure 49. Americas Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Application (2021-2026)

Figure 50. United States Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 51. Canada Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 52. Mexico Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 53. Brazil Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 54. APAC Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Region in 2025

Figure 55. APAC Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Region (2021-2026)

Figure 56. APAC Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Type (2021-2026)

Figure 57. APAC Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Application (2021-2026)

Figure 58. China Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 59. Japan Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 60. South Korea Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 61. Southeast Asia Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 62. India Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 63. Australia Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 64. China Taiwan Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 65. Europe Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Country in 2025

Figure 66. Europe Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share by Country (2021-2026)

Figure 67. Europe Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Type (2021-2026)

Figure 68. Europe Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Application (2021-2026)

Figure 69. Germany Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 70. France Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 71. UK Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 72. Italy Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 73. Russia Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 74. Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Country (2021-2026)

Figure 75. Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Type (2021-2026)

Figure 76. Middle East & Africa Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share by Application (2021-2026)

Figure 77. Egypt Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 78. South Africa Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 79. Israel Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 80. Turkey Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 81. GCC Countries Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Growth 2021-2026 (\$ millions)

Figure 82. Manufacturing Cost Structure Analysis of Three-Layer Co-extruded Lithium-

ion Battery Separator in 2026

Figure 83. Manufacturing Process Analysis of Three-Layer Co-extruded Lithium-ion Battery Separator

Figure 84. Industry Chain Structure of Three-Layer Co-extruded Lithium-ion Battery Separator

Figure 85. Channels of Distribution

Figure 86. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Forecast by Region (2027-2032)

Figure 87. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share Forecast by Region (2027-2032)

Figure 88. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share Forecast by Type (2027-2032)

Figure 89. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share Forecast by Type (2027-2032)

Figure 90. Global Three-Layer Co-extruded Lithium-ion Battery Separator Sales Market Share Forecast by Application (2027-2032)

Figure 91. Global Three-Layer Co-extruded Lithium-ion Battery Separator Revenue Market Share Forecast by Application (2027-2032)

I would like to order

Product name: Global Three-Layer Co-extruded Lithium-ion Battery Separator Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/GF11682A9D48EN.html>

Price: US\$ 3,660.00 (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/GF11682A9D48EN.html>