

Global Polymer Electrolyte Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G4186FAD8F77EN.html>

Date: May 2026

Pages: 136

Price: US\$ 4,480.00 (Single User License)

ID: G4186FAD8F77EN

Abstracts

The global Polymer Electrolyte market size is expected to reach \$ 11965 million by 2032, rising at a market growth of 12.9% CAGR during the forecast period (2026-2032).

Polymer electrolyte is a class of ion-conducting materials in which a polymer matrix (such as polyethylene oxide, polyacrylonitrile, or polycarbonate-based systems) dissolves or immobilizes ionic salts (e.g., lithium salts like LiPF₆ or LiTFSI), enabling ionic transport while maintaining solid or solid-solid mechanical integrity; they are widely used in lithium-ion batteries, solid-state batteries, fuel cells, and supercapacitors due to their flexibility, safety (non-flammable vs. liquid electrolytes), and ability to form thin films. The supply chain begins upstream with petrochemical or bio-based monomers (ethylene oxide, acrylonitrile, carbonates) and lithium salts produced from lithium chemicals (lithium carbonate/hydroxide), followed by midstream polymer synthesis (polymerization, copolymer design, or gel formation) and electrolyte formulation (salt dissolution, plasticizers, ceramic fillers like Al₂O₃ or SiO₂ for conductivity enhancement), then membrane or film processing (casting, extrusion, coating onto separators), and finally downstream integration into battery cells or electrochemical devices by OEMs (EV batteries, energy storage systems, consumer electronics), with performance tuning driven by ionic conductivity, electrochemical stability window, mechanical strength, and interfacial compatibility with electrodes. In 2025, global Polymer Electrolyte output was about 300,000 tons with 420,000 tons of capacity, average prices of USD 15,000-28,000 per ton, and gross margins around 33%.

This report studies the global Polymer Electrolyte production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Polymer

Electrolyte 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 Polymer Electrolyte that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Polymer Electrolyte total production and demand, 2021-2032, (Tons)

Global Polymer Electrolyte total production value, 2021-2032, (USD Million)

Global Polymer Electrolyte production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Polymer Electrolyte consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Polymer Electrolyte domestic production, consumption, key domestic manufacturers and share

Global Polymer Electrolyte production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Polymer Electrolyte production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Polymer Electrolyte production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Polymer Electrolyte 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 BASF (Germany), Solvay (Belgium), Arkema (France), Dow (USA), DuPont (USA), 3M Company (USA), Evonik (Germany), SABIC (Saudi Arabia), Toray (Japan), Mitsubishi Chemical (Japan), 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 Polymer Electrolyte market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by 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 Polymer Electrolyte Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Polymer Electrolyte Market, Segmentation by Type:

Solid Polymer Electrolyte

Gel Polymer Electrolyte

Composite Polymer Electrolyte

Global Polymer Electrolyte Market, Segmentation by Temperature Performance:

High Temperature

Room Temperature

Low Temperature

Global Polymer Electrolyte Market, Segmentation by Application:

- Electric Vehicle
- Energy Storage System
- Consumer Electronic
- Supercapacitor
- Aerospace & Defense
- Industrial Equipment
- Others

Companies Profiled:

- BASF (Germany)
- Solvay (Belgium)
- Arkema (France)
- Dow (USA)
- DuPont (USA)
- 3M Company (USA)
- Evonik (Germany)
- SABIC (Saudi Arabia)
- Toray (Japan)
- Mitsubishi Chemical (Japan)

Sumitomo Chemical (Japan)

Asahi Kasei (Japan)

Nissan Chemical (Japan)

Hitachi Chemical (Japan)

LG Chem (South Korea)

Samsung SDI (South Korea)

SK Innovation (South Korea)

Shenzhen Capchem (China)

Guangzhou Tinci Materials (China)

Key Questions Answered:

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

Contents

1 SUPPLY SUMMARY

- 1.1 Polymer Electrolyte Introduction
- 1.2 World Polymer Electrolyte Supply & Forecast
 - 1.2.1 World Polymer Electrolyte Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Polymer Electrolyte Production (2021-2032)
 - 1.2.3 World Polymer Electrolyte Pricing Trends (2021-2032)
- 1.3 World Polymer Electrolyte Production by Region (Based on Production Site)
 - 1.3.1 World Polymer Electrolyte Production Value by Region (2021-2032)
 - 1.3.2 World Polymer Electrolyte Production by Region (2021-2032)
 - 1.3.3 World Polymer Electrolyte Average Price by Region (2021-2032)
 - 1.3.4 North America Polymer Electrolyte Production (2021-2032)
 - 1.3.5 Europe Polymer Electrolyte Production (2021-2032)
 - 1.3.6 China Polymer Electrolyte Production (2021-2032)
 - 1.3.7 Japan Polymer Electrolyte Production (2021-2032)
 - 1.3.8 India Polymer Electrolyte Production (2021-2032)
 - 1.3.9 Southeast Asia Polymer Electrolyte Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Polymer Electrolyte Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Polymer Electrolyte Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Polymer Electrolyte Demand (2021-2032)
- 2.2 World Polymer Electrolyte Consumption by Region
 - 2.2.1 World Polymer Electrolyte Consumption by Region (2021-2026)
 - 2.2.2 World Polymer Electrolyte Consumption Forecast by Region (2027-2032)
- 2.3 United States Polymer Electrolyte Consumption (2021-2032)
- 2.4 China Polymer Electrolyte Consumption (2021-2032)
- 2.5 Europe Polymer Electrolyte Consumption (2021-2032)
- 2.6 Japan Polymer Electrolyte Consumption (2021-2032)
- 2.7 South Korea Polymer Electrolyte Consumption (2021-2032)
- 2.8 ASEAN Polymer Electrolyte Consumption (2021-2032)
- 2.9 India Polymer Electrolyte Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Polymer Electrolyte Production Value by Manufacturer (2021-2026)
- 3.2 World Polymer Electrolyte Production by Manufacturer (2021-2026)
- 3.3 World Polymer Electrolyte Average Price by Manufacturer (2021-2026)
- 3.4 Polymer Electrolyte Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Polymer Electrolyte Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Polymer Electrolyte in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Polymer Electrolyte in 2025
- 3.6 Polymer Electrolyte Market: Overall Company Footprint Analysis
 - 3.6.1 Polymer Electrolyte Market: Region Footprint
 - 3.6.2 Polymer Electrolyte Market: Company Product Type Footprint
 - 3.6.3 Polymer Electrolyte Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Polymer Electrolyte Production Value Comparison
 - 4.1.1 United States VS China: Polymer Electrolyte Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Polymer Electrolyte Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Polymer Electrolyte Production Comparison
 - 4.2.1 United States VS China: Polymer Electrolyte Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Polymer Electrolyte Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Polymer Electrolyte Consumption Comparison
 - 4.3.1 United States VS China: Polymer Electrolyte Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Polymer Electrolyte Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Polymer Electrolyte Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Polymer Electrolyte Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Polymer Electrolyte Production Value (2021-2026)

4.4.3 United States Based Manufacturers Polymer Electrolyte Production (2021-2026)
4.5 China Based Polymer Electrolyte Manufacturers and Market Share

4.5.1 China Based Polymer Electrolyte Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Polymer Electrolyte Production Value (2021-2026)

4.5.3 China Based Manufacturers Polymer Electrolyte Production (2021-2026)

4.6 Rest of World Based Polymer Electrolyte Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Polymer Electrolyte Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Polymer Electrolyte Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Polymer Electrolyte Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Polymer Electrolyte Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Solid Polymer Electrolyte

5.2.2 Gel Polymer Electrolyte

5.2.3 Composite Polymer Electrolyte

5.3 Market Segment by Type

5.3.1 World Polymer Electrolyte Production by Type (2021-2032)

5.3.2 World Polymer Electrolyte Production Value by Type (2021-2032)

5.3.3 World Polymer Electrolyte Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY TEMPERATURE PERFORMANCE

6.1 World Polymer Electrolyte Market Size Overview by Temperature Performance: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Temperature Performance

6.2.1 High Temperature

6.2.2 Room Temperature

6.2.3 Low Temperature

6.3 Market Segment by Temperature Performance

- 6.3.1 World Polymer Electrolyte Production by Temperature Performance (2021-2032)
- 6.3.2 World Polymer Electrolyte Production Value by Temperature Performance (2021-2032)
- 6.3.3 World Polymer Electrolyte Average Price by Temperature Performance (2021-2032)

7 MARKET ANALYSIS BY APPLICATION

- 7.1 World Polymer Electrolyte Market Size Overview by Application: 2021 VS 2025 VS 2032
- 7.2 Segment Introduction by Application
 - 7.2.1 Electric Vehicle
 - 7.2.2 Energy Storage System
 - 7.2.3 Consumer Electronic
 - 7.2.4 Supercapacitor
 - 7.2.5 Aerospace & Defense
 - 7.2.6 Industrial Equipment
 - 7.2.7 Others
- 7.3 Market Segment by Application
 - 7.3.1 World Polymer Electrolyte Production by Application (2021-2032)
 - 7.3.2 World Polymer Electrolyte Production Value by Application (2021-2032)
 - 7.3.3 World Polymer Electrolyte Average Price by Application (2021-2032)

8 COMPANY PROFILES

- 8.1 BASF (Germany)
 - 8.1.1 BASF (Germany) Details
 - 8.1.2 BASF (Germany) Major Business
 - 8.1.3 BASF (Germany) Polymer Electrolyte Product and Services
 - 8.1.4 BASF (Germany) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.1.5 BASF (Germany) Recent Developments/Updates
 - 8.1.6 BASF (Germany) Competitive Strengths & Weaknesses
- 8.2 Solvay (Belgium)
 - 8.2.1 Solvay (Belgium) Details
 - 8.2.2 Solvay (Belgium) Major Business
 - 8.2.3 Solvay (Belgium) Polymer Electrolyte Product and Services
 - 8.2.4 Solvay (Belgium) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 8.2.5 Solvay (Belgium) Recent Developments/Updates
- 8.2.6 Solvay (Belgium) Competitive Strengths & Weaknesses
- 8.3 Arkema (France)
 - 8.3.1 Arkema (France) Details
 - 8.3.2 Arkema (France) Major Business
 - 8.3.3 Arkema (France) Polymer Electrolyte Product and Services
 - 8.3.4 Arkema (France) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.3.5 Arkema (France) Recent Developments/Updates
 - 8.3.6 Arkema (France) Competitive Strengths & Weaknesses
- 8.4 Dow (USA)
 - 8.4.1 Dow (USA) Details
 - 8.4.2 Dow (USA) Major Business
 - 8.4.3 Dow (USA) Polymer Electrolyte Product and Services
 - 8.4.4 Dow (USA) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.4.5 Dow (USA) Recent Developments/Updates
 - 8.4.6 Dow (USA) Competitive Strengths & Weaknesses
- 8.5 DuPont (USA)
 - 8.5.1 DuPont (USA) Details
 - 8.5.2 DuPont (USA) Major Business
 - 8.5.3 DuPont (USA) Polymer Electrolyte Product and Services
 - 8.5.4 DuPont (USA) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.5.5 DuPont (USA) Recent Developments/Updates
 - 8.5.6 DuPont (USA) Competitive Strengths & Weaknesses
- 8.6 3M Company (USA)
 - 8.6.1 3M Company (USA) Details
 - 8.6.2 3M Company (USA) Major Business
 - 8.6.3 3M Company (USA) Polymer Electrolyte Product and Services
 - 8.6.4 3M Company (USA) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.6.5 3M Company (USA) Recent Developments/Updates
 - 8.6.6 3M Company (USA) Competitive Strengths & Weaknesses
- 8.7 Evonik (Germany)
 - 8.7.1 Evonik (Germany) Details
 - 8.7.2 Evonik (Germany) Major Business
 - 8.7.3 Evonik (Germany) Polymer Electrolyte Product and Services
 - 8.7.4 Evonik (Germany) Polymer Electrolyte Production, Price, Value, Gross Margin

and Market Share (2021-2026)

8.7.5 Evonik (Germany) Recent Developments/Updates

8.7.6 Evonik (Germany) Competitive Strengths & Weaknesses

8.8 SABIC (Saudi Arabia)

8.8.1 SABIC (Saudi Arabia) Details

8.8.2 SABIC (Saudi Arabia) Major Business

8.8.3 SABIC (Saudi Arabia) Polymer Electrolyte Product and Services

8.8.4 SABIC (Saudi Arabia) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.8.5 SABIC (Saudi Arabia) Recent Developments/Updates

8.8.6 SABIC (Saudi Arabia) Competitive Strengths & Weaknesses

8.9 Toray (Japan)

8.9.1 Toray (Japan) Details

8.9.2 Toray (Japan) Major Business

8.9.3 Toray (Japan) Polymer Electrolyte Product and Services

8.9.4 Toray (Japan) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.9.5 Toray (Japan) Recent Developments/Updates

8.9.6 Toray (Japan) Competitive Strengths & Weaknesses

8.10 Mitsubishi Chemical (Japan)

8.10.1 Mitsubishi Chemical (Japan) Details

8.10.2 Mitsubishi Chemical (Japan) Major Business

8.10.3 Mitsubishi Chemical (Japan) Polymer Electrolyte Product and Services

8.10.4 Mitsubishi Chemical (Japan) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.10.5 Mitsubishi Chemical (Japan) Recent Developments/Updates

8.10.6 Mitsubishi Chemical (Japan) Competitive Strengths & Weaknesses

8.11 Sumitomo Chemical (Japan)

8.11.1 Sumitomo Chemical (Japan) Details

8.11.2 Sumitomo Chemical (Japan) Major Business

8.11.3 Sumitomo Chemical (Japan) Polymer Electrolyte Product and Services

8.11.4 Sumitomo Chemical (Japan) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.11.5 Sumitomo Chemical (Japan) Recent Developments/Updates

8.11.6 Sumitomo Chemical (Japan) Competitive Strengths & Weaknesses

8.12 Asahi Kasei (Japan)

8.12.1 Asahi Kasei (Japan) Details

8.12.2 Asahi Kasei (Japan) Major Business

8.12.3 Asahi Kasei (Japan) Polymer Electrolyte Product and Services

- 8.12.4 Asahi Kasei (Japan) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.12.5 Asahi Kasei (Japan) Recent Developments/Updates
- 8.12.6 Asahi Kasei (Japan) Competitive Strengths & Weaknesses
- 8.13 Nissan Chemical (Japan)
 - 8.13.1 Nissan Chemical (Japan) Details
 - 8.13.2 Nissan Chemical (Japan) Major Business
 - 8.13.3 Nissan Chemical (Japan) Polymer Electrolyte Product and Services
 - 8.13.4 Nissan Chemical (Japan) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.13.5 Nissan Chemical (Japan) Recent Developments/Updates
 - 8.13.6 Nissan Chemical (Japan) Competitive Strengths & Weaknesses
- 8.14 Hitachi Chemical (Japan)
 - 8.14.1 Hitachi Chemical (Japan) Details
 - 8.14.2 Hitachi Chemical (Japan) Major Business
 - 8.14.3 Hitachi Chemical (Japan) Polymer Electrolyte Product and Services
 - 8.14.4 Hitachi Chemical (Japan) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.14.5 Hitachi Chemical (Japan) Recent Developments/Updates
 - 8.14.6 Hitachi Chemical (Japan) Competitive Strengths & Weaknesses
- 8.15 LG Chem (South Korea)
 - 8.15.1 LG Chem (South Korea) Details
 - 8.15.2 LG Chem (South Korea) Major Business
 - 8.15.3 LG Chem (South Korea) Polymer Electrolyte Product and Services
 - 8.15.4 LG Chem (South Korea) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.15.5 LG Chem (South Korea) Recent Developments/Updates
 - 8.15.6 LG Chem (South Korea) Competitive Strengths & Weaknesses
- 8.16 Samsung SDI (South Korea)
 - 8.16.1 Samsung SDI (South Korea) Details
 - 8.16.2 Samsung SDI (South Korea) Major Business
 - 8.16.3 Samsung SDI (South Korea) Polymer Electrolyte Product and Services
 - 8.16.4 Samsung SDI (South Korea) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.16.5 Samsung SDI (South Korea) Recent Developments/Updates
 - 8.16.6 Samsung SDI (South Korea) Competitive Strengths & Weaknesses
- 8.17 SK Innovation (South Korea)
 - 8.17.1 SK Innovation (South Korea) Details
 - 8.17.2 SK Innovation (South Korea) Major Business

- 8.17.3 SK Innovation (South Korea) Polymer Electrolyte Product and Services
- 8.17.4 SK Innovation (South Korea) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.17.5 SK Innovation (South Korea) Recent Developments/Updates
- 8.17.6 SK Innovation (South Korea) Competitive Strengths & Weaknesses
- 8.18 Shenzhen Capchem (China)
 - 8.18.1 Shenzhen Capchem (China) Details
 - 8.18.2 Shenzhen Capchem (China) Major Business
 - 8.18.3 Shenzhen Capchem (China) Polymer Electrolyte Product and Services
 - 8.18.4 Shenzhen Capchem (China) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.18.5 Shenzhen Capchem (China) Recent Developments/Updates
 - 8.18.6 Shenzhen Capchem (China) Competitive Strengths & Weaknesses
- 8.19 Guangzhou Tinci Materials (China)
 - 8.19.1 Guangzhou Tinci Materials (China) Details
 - 8.19.2 Guangzhou Tinci Materials (China) Major Business
 - 8.19.3 Guangzhou Tinci Materials (China) Polymer Electrolyte Product and Services
 - 8.19.4 Guangzhou Tinci Materials (China) Polymer Electrolyte Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.19.5 Guangzhou Tinci Materials (China) Recent Developments/Updates
 - 8.19.6 Guangzhou Tinci Materials (China) Competitive Strengths & Weaknesses

9 INDUSTRY CHAIN ANALYSIS

- 9.1 Polymer Electrolyte Industry Chain
- 9.2 Polymer Electrolyte Upstream Analysis
 - 9.2.1 Polymer Electrolyte Core Raw Materials
 - 9.2.2 Main Manufacturers of Polymer Electrolyte Core Raw Materials
- 9.3 Midstream Analysis
- 9.4 Downstream Analysis
- 9.5 Polymer Electrolyte Production Mode
- 9.6 Polymer Electrolyte Procurement Model
- 9.7 Polymer Electrolyte Industry Sales Model and Sales Channels
 - 9.7.1 Polymer Electrolyte Sales Model
 - 9.7.2 Polymer Electrolyte Typical Distributors

10 RESEARCH FINDINGS AND CONCLUSION

11 APPENDIX

11.1 Methodology

11.2 Research Process and Data Source

11.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. World Polymer Electrolyte Production Value by Region (2021, 2025 and 2032) & (USD Million)
- Table 2. World Polymer Electrolyte Production Value by Region (2021-2026) & (USD Million)
- Table 3. World Polymer Electrolyte Production Value by Region (2027-2032) & (USD Million)
- Table 4. World Polymer Electrolyte Production Value Market Share by Region (2021-2026)
- Table 5. World Polymer Electrolyte Production Value Market Share by Region (2027-2032)
- Table 6. World Polymer Electrolyte Production by Region (2021-2026) & (Tons)
- Table 7. World Polymer Electrolyte Production by Region (2027-2032) & (Tons)
- Table 8. World Polymer Electrolyte Production Market Share by Region (2021-2026)
- Table 9. World Polymer Electrolyte Production Market Share by Region (2027-2032)
- Table 10. World Polymer Electrolyte Average Price by Region (2021-2026) & (US\$/Ton)
- Table 11. World Polymer Electrolyte Average Price by Region (2027-2032) & (US\$/Ton)
- Table 12. Polymer Electrolyte Major Market Trends
- Table 13. World Polymer Electrolyte Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)
- Table 14. World Polymer Electrolyte Consumption by Region (2021-2026) & (Tons)
- Table 15. World Polymer Electrolyte Consumption Forecast by Region (2027-2032) & (Tons)
- Table 16. World Polymer Electrolyte Production Value by Manufacturer (2021-2026) & (USD Million)
- Table 17. Production Value Market Share of Key Polymer Electrolyte Producers in 2025
- Table 18. World Polymer Electrolyte Production by Manufacturer (2021-2026) & (Tons)
- Table 19. Production Market Share of Key Polymer Electrolyte Producers in 2025
- Table 20. World Polymer Electrolyte Average Price by Manufacturer (2021-2026) & (US\$/Ton)
- Table 21. Global Polymer Electrolyte Company Evaluation Quadrant
- Table 22. World Polymer Electrolyte Industry Rank of Major Manufacturers, Based on Production Value in 2025
- Table 23. Head Office and Polymer Electrolyte Production Site of Key Manufacturer
- Table 24. Polymer Electrolyte Market: Company Product Type Footprint
- Table 25. Polymer Electrolyte Market: Company Product Application Footprint

Table 26. Polymer Electrolyte Competitive Factors

Table 27. Polymer Electrolyte New Entrant and Capacity Expansion Plans

Table 28. Polymer Electrolyte Mergers & Acquisitions Activity

Table 29. United States VS China Polymer Electrolyte Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Polymer Electrolyte Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China Polymer Electrolyte Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based Polymer Electrolyte Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Polymer Electrolyte Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Polymer Electrolyte Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Polymer Electrolyte Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers Polymer Electrolyte Production Market Share (2021-2026)

Table 37. China Based Polymer Electrolyte Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Polymer Electrolyte Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Polymer Electrolyte Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Polymer Electrolyte Production, (2021-2026) & (Tons)

Table 41. China Based Manufacturers Polymer Electrolyte Production Market Share (2021-2026)

Table 42. Rest of World Based Polymer Electrolyte Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Polymer Electrolyte Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Polymer Electrolyte Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Polymer Electrolyte Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers Polymer Electrolyte Production Market Share (2021-2026)

Table 47. World Polymer Electrolyte Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Polymer Electrolyte Production by Type (2021-2026) & (Tons)

Table 49. World Polymer Electrolyte Production by Type (2027-2032) & (Tons)

Table 50. World Polymer Electrolyte Production Value by Type (2021-2026) & (USD Million)

Table 51. World Polymer Electrolyte Production Value by Type (2027-2032) & (USD Million)

Table 52. World Polymer Electrolyte Average Price by Type (2021-2026) & (US\$/Ton)

Table 53. World Polymer Electrolyte Average Price by Type (2027-2032) & (US\$/Ton)

Table 54. World Polymer Electrolyte Production Value by Temperature Performance, (USD Million), 2021 & 2025 & 2032

Table 55. World Polymer Electrolyte Production by Temperature Performance (2021-2026) & (Tons)

Table 56. World Polymer Electrolyte Production by Temperature Performance (2027-2032) & (Tons)

Table 57. World Polymer Electrolyte Production Value by Temperature Performance (2021-2026) & (USD Million)

Table 58. World Polymer Electrolyte Production Value by Temperature Performance (2027-2032) & (USD Million)

Table 59. World Polymer Electrolyte Average Price by Temperature Performance (2021-2026) & (US\$/Ton)

Table 60. World Polymer Electrolyte Average Price by Temperature Performance (2027-2032) & (US\$/Ton)

Table 61. World Polymer Electrolyte Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 62. World Polymer Electrolyte Production by Application (2021-2026) & (Tons)

Table 63. World Polymer Electrolyte Production by Application (2027-2032) & (Tons)

Table 64. World Polymer Electrolyte Production Value by Application (2021-2026) & (USD Million)

Table 65. World Polymer Electrolyte Production Value by Application (2027-2032) & (USD Million)

Table 66. World Polymer Electrolyte Average Price by Application (2021-2026) & (US\$/Ton)

Table 67. World Polymer Electrolyte Average Price by Application (2027-2032) & (US\$/Ton)

Table 68. BASF (Germany) Basic Information, Manufacturing Base and Competitors

Table 69. BASF (Germany) Major Business

Table 70. BASF (Germany) Polymer Electrolyte Product and Services

Table 71. BASF (Germany) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. BASF (Germany) Recent Developments/Updates

Table 73. BASF (Germany) Competitive Strengths & Weaknesses

Table 74. Solvay (Belgium) Basic Information, Manufacturing Base and Competitors

Table 75. Solvay (Belgium) Major Business

Table 76. Solvay (Belgium) Polymer Electrolyte Product and Services

Table 77. Solvay (Belgium) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. Solvay (Belgium) Recent Developments/Updates

Table 79. Solvay (Belgium) Competitive Strengths & Weaknesses

Table 80. Arkema (France) Basic Information, Manufacturing Base and Competitors

Table 81. Arkema (France) Major Business

Table 82. Arkema (France) Polymer Electrolyte Product and Services

Table 83. Arkema (France) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. Arkema (France) Recent Developments/Updates

Table 85. Arkema (France) Competitive Strengths & Weaknesses

Table 86. Dow (USA) Basic Information, Manufacturing Base and Competitors

Table 87. Dow (USA) Major Business

Table 88. Dow (USA) Polymer Electrolyte Product and Services

Table 89. Dow (USA) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 90. Dow (USA) Recent Developments/Updates

Table 91. Dow (USA) Competitive Strengths & Weaknesses

Table 92. DuPont (USA) Basic Information, Manufacturing Base and Competitors

Table 93. DuPont (USA) Major Business

Table 94. DuPont (USA) Polymer Electrolyte Product and Services

Table 95. DuPont (USA) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 96. DuPont (USA) Recent Developments/Updates

Table 97. DuPont (USA) Competitive Strengths & Weaknesses

Table 98. 3M Company (USA) Basic Information, Manufacturing Base and Competitors

Table 99. 3M Company (USA) Major Business

Table 100. 3M Company (USA) Polymer Electrolyte Product and Services

Table 101. 3M Company (USA) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 102. 3M Company (USA) Recent Developments/Updates

- Table 103. 3M Company (USA) Competitive Strengths & Weaknesses
- Table 104. Evonik (Germany) Basic Information, Manufacturing Base and Competitors
- Table 105. Evonik (Germany) Major Business
- Table 106. Evonik (Germany) Polymer Electrolyte Product and Services
- Table 107. Evonik (Germany) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 108. Evonik (Germany) Recent Developments/Updates
- Table 109. Evonik (Germany) Competitive Strengths & Weaknesses
- Table 110. SABIC (Saudi Arabia) Basic Information, Manufacturing Base and Competitors
- Table 111. SABIC (Saudi Arabia) Major Business
- Table 112. SABIC (Saudi Arabia) Polymer Electrolyte Product and Services
- Table 113. SABIC (Saudi Arabia) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 114. SABIC (Saudi Arabia) Recent Developments/Updates
- Table 115. SABIC (Saudi Arabia) Competitive Strengths & Weaknesses
- Table 116. Toray (Japan) Basic Information, Manufacturing Base and Competitors
- Table 117. Toray (Japan) Major Business
- Table 118. Toray (Japan) Polymer Electrolyte Product and Services
- Table 119. Toray (Japan) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 120. Toray (Japan) Recent Developments/Updates
- Table 121. Toray (Japan) Competitive Strengths & Weaknesses
- Table 122. Mitsubishi Chemical (Japan) Basic Information, Manufacturing Base and Competitors
- Table 123. Mitsubishi Chemical (Japan) Major Business
- Table 124. Mitsubishi Chemical (Japan) Polymer Electrolyte Product and Services
- Table 125. Mitsubishi Chemical (Japan) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 126. Mitsubishi Chemical (Japan) Recent Developments/Updates
- Table 127. Mitsubishi Chemical (Japan) Competitive Strengths & Weaknesses
- Table 128. Sumitomo Chemical (Japan) Basic Information, Manufacturing Base and Competitors
- Table 129. Sumitomo Chemical (Japan) Major Business
- Table 130. Sumitomo Chemical (Japan) Polymer Electrolyte Product and Services
- Table 131. Sumitomo Chemical (Japan) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 132. Sumitomo Chemical (Japan) Recent Developments/Updates

Table 133. Sumitomo Chemical (Japan) Competitive Strengths & Weaknesses

Table 134. Asahi Kasei (Japan) Basic Information, Manufacturing Base and Competitors

Table 135. Asahi Kasei (Japan) Major Business

Table 136. Asahi Kasei (Japan) Polymer Electrolyte Product and Services

Table 137. Asahi Kasei (Japan) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 138. Asahi Kasei (Japan) Recent Developments/Updates

Table 139. Asahi Kasei (Japan) Competitive Strengths & Weaknesses

Table 140. Nissan Chemical (Japan) Basic Information, Manufacturing Base and Competitors

Table 141. Nissan Chemical (Japan) Major Business

Table 142. Nissan Chemical (Japan) Polymer Electrolyte Product and Services

Table 143. Nissan Chemical (Japan) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 144. Nissan Chemical (Japan) Recent Developments/Updates

Table 145. Nissan Chemical (Japan) Competitive Strengths & Weaknesses

Table 146. Hitachi Chemical (Japan) Basic Information, Manufacturing Base and Competitors

Table 147. Hitachi Chemical (Japan) Major Business

Table 148. Hitachi Chemical (Japan) Polymer Electrolyte Product and Services

Table 149. Hitachi Chemical (Japan) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 150. Hitachi Chemical (Japan) Recent Developments/Updates

Table 151. Hitachi Chemical (Japan) Competitive Strengths & Weaknesses

Table 152. LG Chem (South Korea) Basic Information, Manufacturing Base and Competitors

Table 153. LG Chem (South Korea) Major Business

Table 154. LG Chem (South Korea) Polymer Electrolyte Product and Services

Table 155. LG Chem (South Korea) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 156. LG Chem (South Korea) Recent Developments/Updates

Table 157. LG Chem (South Korea) Competitive Strengths & Weaknesses

Table 158. Samsung SDI (South Korea) Basic Information, Manufacturing Base and Competitors

Table 159. Samsung SDI (South Korea) Major Business

Table 160. Samsung SDI (South Korea) Polymer Electrolyte Product and Services

Table 161. Samsung SDI (South Korea) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 162. Samsung SDI (South Korea) Recent Developments/Updates

Table 163. Samsung SDI (South Korea) Competitive Strengths & Weaknesses

Table 164. SK Innovation (South Korea) Basic Information, Manufacturing Base and Competitors

Table 165. SK Innovation (South Korea) Major Business

Table 166. SK Innovation (South Korea) Polymer Electrolyte Product and Services

Table 167. SK Innovation (South Korea) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 168. SK Innovation (South Korea) Recent Developments/Updates

Table 169. SK Innovation (South Korea) Competitive Strengths & Weaknesses

Table 170. Shenzhen Capchem (China) Basic Information, Manufacturing Base and Competitors

Table 171. Shenzhen Capchem (China) Major Business

Table 172. Shenzhen Capchem (China) Polymer Electrolyte Product and Services

Table 173. Shenzhen Capchem (China) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 174. Shenzhen Capchem (China) Recent Developments/Updates

Table 175. Shenzhen Capchem (China) Competitive Strengths & Weaknesses

Table 176. Guangzhou Tinci Materials (China) Basic Information, Manufacturing Base and Competitors

Table 177. Guangzhou Tinci Materials (China) Major Business

Table 178. Guangzhou Tinci Materials (China) Polymer Electrolyte Product and Services

Table 179. Guangzhou Tinci Materials (China) Polymer Electrolyte Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 180. Guangzhou Tinci Materials (China) Recent Developments/Updates

Table 181. Guangzhou Tinci Materials (China) Competitive Strengths & Weaknesses

Table 182. Global Key Players of Polymer Electrolyte Upstream (Raw Materials)

Table 183. Global Polymer Electrolyte Typical Customers

Table 184. Polymer Electrolyte Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Polymer Electrolyte Picture

Figure 2. World Polymer Electrolyte Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Polymer Electrolyte Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Polymer Electrolyte Production (2021-2032) & (Tons)

Figure 5. World Polymer Electrolyte Average Price (2021-2032) & (US\$/Ton)

Figure 6. World Polymer Electrolyte Production Value Market Share by Region (2021-2032)

Figure 7. World Polymer Electrolyte Production Market Share by Region (2021-2032)

Figure 8. North America Polymer Electrolyte Production (2021-2032) & (Tons)

Figure 9. Europe Polymer Electrolyte Production (2021-2032) & (Tons)

Figure 10. China Polymer Electrolyte Production (2021-2032) & (Tons)

Figure 11. Japan Polymer Electrolyte Production (2021-2032) & (Tons)

Figure 12. India Polymer Electrolyte Production (2021-2032) & (Tons)

Figure 13. Southeast Asia Polymer Electrolyte Production (2021-2032) & (Tons)

Figure 14. Polymer Electrolyte Market Drivers

Figure 15. Factors Affecting Demand

Figure 16. World Polymer Electrolyte Consumption (2021-2032) & (Tons)

Figure 17. World Polymer Electrolyte Consumption Market Share by Region (2021-2032)

Figure 18. United States Polymer Electrolyte Consumption (2021-2032) & (Tons)

Figure 19. China Polymer Electrolyte Consumption (2021-2032) & (Tons)

Figure 20. Europe Polymer Electrolyte Consumption (2021-2032) & (Tons)

Figure 21. Japan Polymer Electrolyte Consumption (2021-2032) & (Tons)

Figure 22. South Korea Polymer Electrolyte Consumption (2021-2032) & (Tons)

Figure 23. ASEAN Polymer Electrolyte Consumption (2021-2032) & (Tons)

Figure 24. India Polymer Electrolyte Consumption (2021-2032) & (Tons)

Figure 25. Producer Shipments of Polymer Electrolyte by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 26. Global Four-firm Concentration Ratios (CR4) for Polymer Electrolyte Markets in 2025

Figure 27. Global Four-firm Concentration Ratios (CR8) for Polymer Electrolyte Markets in 2025

Figure 28. United States VS China: Polymer Electrolyte Production Value Market Share

Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Polymer Electrolyte Production Market Share

Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Polymer Electrolyte Consumption Market Share

Comparison (2021 & 2025 & 2032)

Figure 31. United States Based Manufacturers Polymer Electrolyte Production Market Share 2025

Figure 32. China Based Manufacturers Polymer Electrolyte Production Market Share 2025

Figure 33. Rest of World Based Manufacturers Polymer Electrolyte Production Market Share 2025

Figure 34. World Polymer Electrolyte Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 35. World Polymer Electrolyte Production Value Market Share by Type in 2025

Figure 36. Solid Polymer Electrolyte

Figure 37. Gel Polymer Electrolyte

Figure 38. Composite Polymer Electrolyte

Figure 39. World Polymer Electrolyte Production Market Share by Type (2021-2032)

Figure 40. World Polymer Electrolyte Production Value Market Share by Type (2021-2032)

Figure 41. World Polymer Electrolyte Average Price by Type (2021-2032) & (US\$/Ton)

Figure 42. World Polymer Electrolyte Production Value by Temperature Performance, (USD Million), 2021 & 2025 & 2032

Figure 43. World Polymer Electrolyte Production Value Market Share by Temperature Performance in 2025

Figure 44. High Temperature

Figure 45. Room Temperature

Figure 46. Low Temperature

Figure 47. World Polymer Electrolyte Production Market Share by Temperature Performance (2021-2032)

Figure 48. World Polymer Electrolyte Production Value Market Share by Temperature Performance (2021-2032)

Figure 49. World Polymer Electrolyte Average Price by Temperature Performance (2021-2032) & (US\$/Ton)

Figure 50. World Polymer Electrolyte Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 51. World Polymer Electrolyte Production Value Market Share by Application in 2025

Figure 52. Electric Vehicle

Figure 53. Energy Storage System

Figure 54. Consumer Electronic

Figure 55. Supercapacitor

Figure 56. Aerospace & Defense

Figure 57. Industrial Equipment

Figure 58. Others

Figure 59. World Polymer Electrolyte Production Market Share by Application (2021-2032)

Figure 60. World Polymer Electrolyte Production Value Market Share by Application (2021-2032)

Figure 61. World Polymer Electrolyte Average Price by Application (2021-2032) & (US\$/Ton)

Figure 62. Polymer Electrolyte Industry Chain

Figure 63. Polymer Electrolyte Procurement Model

Figure 64. Polymer Electrolyte Sales Model

Figure 65. Polymer Electrolyte Sales Channels, Direct Sales, and Distribution

Figure 66. Methodology

Figure 67. Research Process and Data Source

I would like to order

Product name: Global Polymer Electrolyte Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G4186FAD8F77EN.html>

Price: US\$ 4,480.00 (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/G4186FAD8F77EN.html>