

Global Bio-based Polyphthalamide (PPA) Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Bio-based Polyphthalamide (PPA) market size was valued at US\$ 331 million in 2025 and is forecast to a readjusted size of US\$ 478 million by 2032 with a CAGR of 5.4% during review period.

Bio-based Polyphthalamide (PPA) represents a significant advancement in polymer technology, offering a sustainable alternative to traditional PPA through the utilization of renewable resources. This innovative material maintains the high-performance characteristics of PPA while significantly reducing the carbon footprint, contributing to a more environmentally conscious approach to material science. It achieves this balance by integrating bio-based monomers into the PPA polymer structure, ensuring both performance and sustainability without compromising on mechanical properties or thermal stability. In 2025, global Bio-based Polyphthalamide (PPA) production reached approximately 44.7 kilotons with an average global market price of around US\$7200 per ton.

The Bio-based Polyphthalamide (PPA) industry is experiencing a wave of positive trends. With the increasing awareness of environmental protection and the growing demand for sustainable materials, the market for bio-based PPA is expected to continue expanding, presenting new revenue growth opportunities for enterprises. At the same time, favorable policy support and subsidies, as well as cost reductions and efficiency improvements driven by technological innovation, are helping to enhance profit margins. Enterprises can further consolidate their market position by optimizing supply chains, strengthening brand building, and expanding into global markets. Faced with increasingly fierce competition, enterprises need to innovate continuously, leveraging

technological breakthroughs and differentiated strategies to enhance product competitiveness, thereby achieving dual benefits of revenue and profit on the path of sustainable development.

This report is a detailed and comprehensive analysis for global Bio-based Polyphthalamide (PPA) market. Both quantitative and qualitative analyses are presented by manufacturers, 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 Bio-based Polyphthalamide (PPA) market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Bio-based Polyphthalamide (PPA) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Bio-based Polyphthalamide (PPA) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Bio-based Polyphthalamide (PPA) market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 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 Bio-based Polyphthalamide (PPA)

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 Bio-based Polyphthalamide (PPA) market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Emery Oleochemicals, BASF, Celanese, Arkema, Syensqo, Evonik Industries, Xenia, Radici Group, EMS Group, Envalior, etc.

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

Market Segmentation

Bio-based Polyphthalamide (PPA) 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 in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Fully Bio-based

Partially Bio-based

Market segment by Reinforcement

Glass Fiber Reinforced Bio-based PPA

Carbon Fiber Reinforced Bio-based PPA

Mineral-filled Bio-based PPA

Market segment by Heat Resistance Grade

180°C Heat-resistant Bio-based PPA

200°C Heat-resistant Bio-based PPA

220°C High Heat-resistant Bio-based PPA

Market segment by Application

Automobile

Electronics

Ship

Construction

Other

Major players covered

Emery Oleochemicals

BASF

Celanese

Arkema

Syensqo

Evonik Industries

Xenia

Radici Group

EMS Group

Envalior

Zhejiang XINLI New Material

Shanghai Cathay Industrial Biotech

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Bio-based Polyphthalamide (PPA) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Bio-based Polyphthalamide (PPA), with price, sales quantity, revenue, and global market share of Bio-based Polyphthalamide (PPA) from 2021 to 2026.

Chapter 3, the Bio-based Polyphthalamide (PPA) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Bio-based Polyphthalamide (PPA) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Bio-based Polyphthalamide (PPA) market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Bio-based Polyphthalamide (PPA).

Chapter 14 and 15, to describe Bio-based Polyphthalamide (PPA) sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Bio-based Polyphthalamide (PPA) Consumption Value by Type: 2021 Versus 2025 Versus 2032
 - 1.3.2 Fully Bio-based
 - 1.3.3 Partially Bio-based
- 1.4 Market Analysis by Reinforcement
 - 1.4.1 Overview: Global Bio-based Polyphthalamide (PPA) Consumption Value by Reinforcement: 2021 Versus 2025 Versus 2032
 - 1.4.2 Glass Fiber Reinforced Bio-based PPA
 - 1.4.3 Carbon Fiber Reinforced Bio-based PPA
 - 1.4.4 Mineral-filled Bio-based PPA
- 1.5 Market Analysis by Heat Resistance Grade
 - 1.5.1 Overview: Global Bio-based Polyphthalamide (PPA) Consumption Value by Heat Resistance Grade: 2021 Versus 2025 Versus 2032
 - 1.5.2 180°C Heat-resistant Bio-based PPA
 - 1.5.3 200°C Heat-resistant Bio-based PPA
 - 1.5.4 220°C High Heat-resistant Bio-based PPA
- 1.6 Market Analysis by Application
 - 1.6.1 Overview: Global Bio-based Polyphthalamide (PPA) Consumption Value by Application: 2021 Versus 2025 Versus 2032
 - 1.6.2 Automobile
 - 1.6.3 Electronics
 - 1.6.4 Ship
 - 1.6.5 Construction
 - 1.6.6 Other
- 1.7 Global Bio-based Polyphthalamide (PPA) Market Size & Forecast
 - 1.7.1 Global Bio-based Polyphthalamide (PPA) Consumption Value (2021 & 2025 & 2032)
 - 1.7.2 Global Bio-based Polyphthalamide (PPA) Sales Quantity (2021-2032)
 - 1.7.3 Global Bio-based Polyphthalamide (PPA) Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Emery Oleochemicals

2.1.1 Emery Oleochemicals Details

2.1.2 Emery Oleochemicals Major Business

2.1.3 Emery Oleochemicals Bio-based Polyphthalamide (PPA) Product and Services

2.1.4 Emery Oleochemicals Bio-based Polyphthalamide (PPA) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 Emery Oleochemicals Recent Developments/Updates

2.2 BASF

2.2.1 BASF Details

2.2.2 BASF Major Business

2.2.3 BASF Bio-based Polyphthalamide (PPA) Product and Services

2.2.4 BASF Bio-based Polyphthalamide (PPA) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 BASF Recent Developments/Updates

2.3 Celanese

2.3.1 Celanese Details

2.3.2 Celanese Major Business

2.3.3 Celanese Bio-based Polyphthalamide (PPA) Product and Services

2.3.4 Celanese Bio-based Polyphthalamide (PPA) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 Celanese Recent Developments/Updates

2.4 Arkema

2.4.1 Arkema Details

2.4.2 Arkema Major Business

2.4.3 Arkema Bio-based Polyphthalamide (PPA) Product and Services

2.4.4 Arkema Bio-based Polyphthalamide (PPA) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 Arkema Recent Developments/Updates

2.5 Syensqo

2.5.1 Syensqo Details

2.5.2 Syensqo Major Business

2.5.3 Syensqo Bio-based Polyphthalamide (PPA) Product and Services

2.5.4 Syensqo Bio-based Polyphthalamide (PPA) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 Syensqo Recent Developments/Updates

2.6 Evonik Industries

2.6.1 Evonik Industries Details

2.6.2 Evonik Industries Major Business

2.6.3 Evonik Industries Bio-based Polyphthalamide (PPA) Product and Services

2.6.4 Evonik Industries Bio-based Polyphthalamide (PPA) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 Evonik Industries Recent Developments/Updates

2.7 Xenia

2.7.1 Xenia Details

2.7.2 Xenia Major Business

2.7.3 Xenia Bio-based Polyphthalamide (PPA) Product and Services

2.7.4 Xenia Bio-based Polyphthalamide (PPA) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 Xenia Recent Developments/Updates

2.8 Radici Group

2.8.1 Radici Group Details

2.8.2 Radici Group Major Business

2.8.3 Radici Group Bio-based Polyphthalamide (PPA) Product and Services

2.8.4 Radici Group Bio-based Polyphthalamide (PPA) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 Radici Group Recent Developments/Updates

2.9 EMS Group

2.9.1 EMS Group Details

2.9.2 EMS Group Major Business

2.9.3 EMS Group Bio-based Polyphthalamide (PPA) Product and Services

2.9.4 EMS Group Bio-based Polyphthalamide (PPA) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 EMS Group Recent Developments/Updates

2.10 Envalior

2.10.1 Envalior Details

2.10.2 Envalior Major Business

2.10.3 Envalior Bio-based Polyphthalamide (PPA) Product and Services

2.10.4 Envalior Bio-based Polyphthalamide (PPA) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 Envalior Recent Developments/Updates

2.11 Zhejiang XINLI New Material

2.11.1 Zhejiang XINLI New Material Details

2.11.2 Zhejiang XINLI New Material Major Business

2.11.3 Zhejiang XINLI New Material Bio-based Polyphthalamide (PPA) Product and Services

2.11.4 Zhejiang XINLI New Material Bio-based Polyphthalamide (PPA) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 Zhejiang XINLI New Material Recent Developments/Updates

2.12 Shanghai Cathay Industrial Biotech

2.12.1 Shanghai Cathay Industrial Biotech Details

2.12.2 Shanghai Cathay Industrial Biotech Major Business

2.12.3 Shanghai Cathay Industrial Biotech Bio-based Polyphthalamide (PPA) Product and Services

2.12.4 Shanghai Cathay Industrial Biotech Bio-based Polyphthalamide (PPA) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.12.5 Shanghai Cathay Industrial Biotech Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: BIO-BASED POLYPHTHALAMIDE (PPA) BY MANUFACTURER

3.1 Global Bio-based Polyphthalamide (PPA) Sales Quantity by Manufacturer (2021-2026)

3.2 Global Bio-based Polyphthalamide (PPA) Revenue by Manufacturer (2021-2026)

3.3 Global Bio-based Polyphthalamide (PPA) Average Price by Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of Bio-based Polyphthalamide (PPA) by Manufacturer Revenue (\$MM) and Market Share (%): 2025

3.4.2 Top 3 Bio-based Polyphthalamide (PPA) Manufacturer Market Share in 2025

3.4.3 Top 6 Bio-based Polyphthalamide (PPA) Manufacturer Market Share in 2025

3.5 Bio-based Polyphthalamide (PPA) Market: Overall Company Footprint Analysis

3.5.1 Bio-based Polyphthalamide (PPA) Market: Region Footprint

3.5.2 Bio-based Polyphthalamide (PPA) Market: Company Product Type Footprint

3.5.3 Bio-based Polyphthalamide (PPA) Market: Company Product Application

Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Bio-based Polyphthalamide (PPA) Market Size by Region

4.1.1 Global Bio-based Polyphthalamide (PPA) Sales Quantity by Region (2021-2032)

4.1.2 Global Bio-based Polyphthalamide (PPA) Consumption Value by Region (2021-2032)

4.1.3 Global Bio-based Polyphthalamide (PPA) Average Price by Region (2021-2032)

4.2 North America Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032)

4.3 Europe Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032)

- 4.4 Asia-Pacific Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032)
- 4.5 South America Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032)
- 4.6 Middle East & Africa Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Bio-based Polyphthalamide (PPA) Sales Quantity by Type (2021-2032)
- 5.2 Global Bio-based Polyphthalamide (PPA) Consumption Value by Type (2021-2032)
- 5.3 Global Bio-based Polyphthalamide (PPA) Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Bio-based Polyphthalamide (PPA) Sales Quantity by Application (2021-2032)
- 6.2 Global Bio-based Polyphthalamide (PPA) Consumption Value by Application (2021-2032)
- 6.3 Global Bio-based Polyphthalamide (PPA) Average Price by Application (2021-2032)

7 NORTH AMERICA

- 7.1 North America Bio-based Polyphthalamide (PPA) Sales Quantity by Type (2021-2032)
- 7.2 North America Bio-based Polyphthalamide (PPA) Sales Quantity by Application (2021-2032)
- 7.3 North America Bio-based Polyphthalamide (PPA) Market Size by Country
 - 7.3.1 North America Bio-based Polyphthalamide (PPA) Sales Quantity by Country (2021-2032)
 - 7.3.2 North America Bio-based Polyphthalamide (PPA) Consumption Value by Country (2021-2032)
 - 7.3.3 United States Market Size and Forecast (2021-2032)
 - 7.3.4 Canada Market Size and Forecast (2021-2032)
 - 7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

- 8.1 Europe Bio-based Polyphthalamide (PPA) Sales Quantity by Type (2021-2032)
- 8.2 Europe Bio-based Polyphthalamide (PPA) Sales Quantity by Application (2021-2032)
- 8.3 Europe Bio-based Polyphthalamide (PPA) Market Size by Country

8.3.1 Europe Bio-based Polyphthalamide (PPA) Sales Quantity by Country (2021-2032)

8.3.2 Europe Bio-based Polyphthalamide (PPA) Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Bio-based Polyphthalamide (PPA) Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Bio-based Polyphthalamide (PPA) Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Bio-based Polyphthalamide (PPA) Market Size by Region

9.3.1 Asia-Pacific Bio-based Polyphthalamide (PPA) Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Bio-based Polyphthalamide (PPA) Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Bio-based Polyphthalamide (PPA) Sales Quantity by Type (2021-2032)

10.2 South America Bio-based Polyphthalamide (PPA) Sales Quantity by Application (2021-2032)

10.3 South America Bio-based Polyphthalamide (PPA) Market Size by Country

10.3.1 South America Bio-based Polyphthalamide (PPA) Sales Quantity by Country (2021-2032)

10.3.2 South America Bio-based Polyphthalamide (PPA) Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Bio-based Polyphthalamide (PPA) Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Bio-based Polyphthalamide (PPA) Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Bio-based Polyphthalamide (PPA) Market Size by Country

11.3.1 Middle East & Africa Bio-based Polyphthalamide (PPA) Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Bio-based Polyphthalamide (PPA) Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Bio-based Polyphthalamide (PPA) Market Drivers

12.2 Bio-based Polyphthalamide (PPA) Market Restraints

12.3 Bio-based Polyphthalamide (PPA) Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Bio-based Polyphthalamide (PPA) and Key Manufacturers

13.2 Manufacturing Costs Percentage of Bio-based Polyphthalamide (PPA)

13.3 Bio-based Polyphthalamide (PPA) Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Bio-based Polyphthalamide (PPA) Typical Distributors

14.3 Bio-based Polyphthalamide (PPA) Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Bio-based Polyphthalamide (PPA) Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Bio-based Polyphthalamide (PPA) Consumption Value by Reinforcement, (USD Million), 2021 & 2025 & 2032

Table 3. Global Bio-based Polyphthalamide (PPA) Consumption Value by Heat Resistance Grade, (USD Million), 2021 & 2025 & 2032

Table 4. Global Bio-based Polyphthalamide (PPA) Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Emery Oleochemicals Basic Information, Manufacturing Base and Competitors

Table 6. Emery Oleochemicals Major Business

Table 7. Emery Oleochemicals Bio-based Polyphthalamide (PPA) Product and Services

Table 8. Emery Oleochemicals Bio-based Polyphthalamide (PPA) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Emery Oleochemicals Recent Developments/Updates

Table 10. BASF Basic Information, Manufacturing Base and Competitors

Table 11. BASF Major Business

Table 12. BASF Bio-based Polyphthalamide (PPA) Product and Services

Table 13. BASF Bio-based Polyphthalamide (PPA) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. BASF Recent Developments/Updates

Table 15. Celanese Basic Information, Manufacturing Base and Competitors

Table 16. Celanese Major Business

Table 17. Celanese Bio-based Polyphthalamide (PPA) Product and Services

Table 18. Celanese Bio-based Polyphthalamide (PPA) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Celanese Recent Developments/Updates

Table 20. Arkema Basic Information, Manufacturing Base and Competitors

Table 21. Arkema Major Business

Table 22. Arkema Bio-based Polyphthalamide (PPA) Product and Services

Table 23. Arkema Bio-based Polyphthalamide (PPA) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. Arkema Recent Developments/Updates

Table 25. Syensqo Basic Information, Manufacturing Base and Competitors

Table 26. Syensqo Major Business

Table 27. Syensqo Bio-based Polyphthalamide (PPA) Product and Services

Table 28. Syensqo Bio-based Polyphthalamide (PPA) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. Syensqo Recent Developments/Updates

Table 30. Evonik Industries Basic Information, Manufacturing Base and Competitors

Table 31. Evonik Industries Major Business

Table 32. Evonik Industries Bio-based Polyphthalamide (PPA) Product and Services

Table 33. Evonik Industries Bio-based Polyphthalamide (PPA) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Evonik Industries Recent Developments/Updates

Table 35. Xenia Basic Information, Manufacturing Base and Competitors

Table 36. Xenia Major Business

Table 37. Xenia Bio-based Polyphthalamide (PPA) Product and Services

Table 38. Xenia Bio-based Polyphthalamide (PPA) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. Xenia Recent Developments/Updates

Table 40. Radici Group Basic Information, Manufacturing Base and Competitors

Table 41. Radici Group Major Business

Table 42. Radici Group Bio-based Polyphthalamide (PPA) Product and Services

Table 43. Radici Group Bio-based Polyphthalamide (PPA) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. Radici Group Recent Developments/Updates

Table 45. EMS Group Basic Information, Manufacturing Base and Competitors

Table 46. EMS Group Major Business

Table 47. EMS Group Bio-based Polyphthalamide (PPA) Product and Services

Table 48. EMS Group Bio-based Polyphthalamide (PPA) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 49. EMS Group Recent Developments/Updates

Table 50. Envalior Basic Information, Manufacturing Base and Competitors

Table 51. Envalior Major Business

Table 52. Envalior Bio-based Polyphthalamide (PPA) Product and Services

Table 53. Envalior Bio-based Polyphthalamide (PPA) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 54. Envalior Recent Developments/Updates

Table 55. Zhejiang XINLI New Material Basic Information, Manufacturing Base and Competitors

Table 56. Zhejiang XINLI New Material Major Business

Table 57. Zhejiang XINLI New Material Bio-based Polyphthalamide (PPA) Product and Services

Table 58. Zhejiang XINLI New Material Bio-based Polyphthalamide (PPA) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 59. Zhejiang XINLI New Material Recent Developments/Updates

Table 60. Shanghai Cathay Industrial Biotech Basic Information, Manufacturing Base and Competitors

Table 61. Shanghai Cathay Industrial Biotech Major Business

Table 62. Shanghai Cathay Industrial Biotech Bio-based Polyphthalamide (PPA) Product and Services

Table 63. Shanghai Cathay Industrial Biotech Bio-based Polyphthalamide (PPA) Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 64. Shanghai Cathay Industrial Biotech Recent Developments/Updates

Table 65. Global Bio-based Polyphthalamide (PPA) Sales Quantity by Manufacturer (2021-2026) & (Kilotons)

Table 66. Global Bio-based Polyphthalamide (PPA) Revenue by Manufacturer (2021-2026) & (USD Million)

Table 67. Global Bio-based Polyphthalamide (PPA) Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 68. Market Position of Manufacturers in Bio-based Polyphthalamide (PPA), (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 69. Head Office and Bio-based Polyphthalamide (PPA) Production Site of Key Manufacturer

Table 70. Bio-based Polyphthalamide (PPA) Market: Company Product Type Footprint

Table 71. Bio-based Polyphthalamide (PPA) Market: Company Product Application Footprint

Table 72. Bio-based Polyphthalamide (PPA) New Market Entrants and Barriers to Market Entry

Table 73. Bio-based Polyphthalamide (PPA) Mergers, Acquisition, Agreements, and Collaborations

Table 74. Global Bio-based Polyphthalamide (PPA) Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 75. Global Bio-based Polyphthalamide (PPA) Sales Quantity by Region

(2021-2026) & (Kilotons)

Table 76. Global Bio-based Polyphthalamide (PPA) Sales Quantity by Region

(2027-2032) & (Kilotons)

Table 77. Global Bio-based Polyphthalamide (PPA) Consumption Value by Region

(2021-2026) & (USD Million)

Table 78. Global Bio-based Polyphthalamide (PPA) Consumption Value by Region

(2027-2032) & (USD Million)

Table 79. Global Bio-based Polyphthalamide (PPA) Average Price by Region

(2021-2026) & (US\$/Ton)

Table 80. Global Bio-based Polyphthalamide (PPA) Average Price by Region

(2027-2032) & (US\$/Ton)

Table 81. Global Bio-based Polyphthalamide (PPA) Sales Quantity by Type

(2021-2026) & (Kilotons)

Table 82. Global Bio-based Polyphthalamide (PPA) Sales Quantity by Type

(2027-2032) & (Kilotons)

Table 83. Global Bio-based Polyphthalamide (PPA) Consumption Value by Type

(2021-2026) & (USD Million)

Table 84. Global Bio-based Polyphthalamide (PPA) Consumption Value by Type

(2027-2032) & (USD Million)

Table 85. Global Bio-based Polyphthalamide (PPA) Average Price by Type (2021-2026)
& (US\$/Ton)

Table 86. Global Bio-based Polyphthalamide (PPA) Average Price by Type (2027-2032)
& (US\$/Ton)

Table 87. Global Bio-based Polyphthalamide (PPA) Sales Quantity by Application
(2021-2026) & (Kilotons)

Table 88. Global Bio-based Polyphthalamide (PPA) Sales Quantity by Application
(2027-2032) & (Kilotons)

Table 89. Global Bio-based Polyphthalamide (PPA) Consumption Value by Application
(2021-2026) & (USD Million)

Table 90. Global Bio-based Polyphthalamide (PPA) Consumption Value by Application
(2027-2032) & (USD Million)

Table 91. Global Bio-based Polyphthalamide (PPA) Average Price by Application
(2021-2026) & (US\$/Ton)

Table 92. Global Bio-based Polyphthalamide (PPA) Average Price by Application
(2027-2032) & (US\$/Ton)

Table 93. North America Bio-based Polyphthalamide (PPA) Sales Quantity by Type
(2021-2026) & (Kilotons)

Table 94. North America Bio-based Polyphthalamide (PPA) Sales Quantity by Type
(2027-2032) & (Kilotons)

Table 95. North America Bio-based Polyphthalamide (PPA) Sales Quantity by Application (2021-2026) & (Kilotons)

Table 96. North America Bio-based Polyphthalamide (PPA) Sales Quantity by Application (2027-2032) & (Kilotons)

Table 97. North America Bio-based Polyphthalamide (PPA) Sales Quantity by Country (2021-2026) & (Kilotons)

Table 98. North America Bio-based Polyphthalamide (PPA) Sales Quantity by Country (2027-2032) & (Kilotons)

Table 99. North America Bio-based Polyphthalamide (PPA) Consumption Value by Country (2021-2026) & (USD Million)

Table 100. North America Bio-based Polyphthalamide (PPA) Consumption Value by Country (2027-2032) & (USD Million)

Table 101. Europe Bio-based Polyphthalamide (PPA) Sales Quantity by Type (2021-2026) & (Kilotons)

Table 102. Europe Bio-based Polyphthalamide (PPA) Sales Quantity by Type (2027-2032) & (Kilotons)

Table 103. Europe Bio-based Polyphthalamide (PPA) Sales Quantity by Application (2021-2026) & (Kilotons)

Table 104. Europe Bio-based Polyphthalamide (PPA) Sales Quantity by Application (2027-2032) & (Kilotons)

Table 105. Europe Bio-based Polyphthalamide (PPA) Sales Quantity by Country (2021-2026) & (Kilotons)

Table 106. Europe Bio-based Polyphthalamide (PPA) Sales Quantity by Country (2027-2032) & (Kilotons)

Table 107. Europe Bio-based Polyphthalamide (PPA) Consumption Value by Country (2021-2026) & (USD Million)

Table 108. Europe Bio-based Polyphthalamide (PPA) Consumption Value by Country (2027-2032) & (USD Million)

Table 109. Asia-Pacific Bio-based Polyphthalamide (PPA) Sales Quantity by Type (2021-2026) & (Kilotons)

Table 110. Asia-Pacific Bio-based Polyphthalamide (PPA) Sales Quantity by Type (2027-2032) & (Kilotons)

Table 111. Asia-Pacific Bio-based Polyphthalamide (PPA) Sales Quantity by Application (2021-2026) & (Kilotons)

Table 112. Asia-Pacific Bio-based Polyphthalamide (PPA) Sales Quantity by Application (2027-2032) & (Kilotons)

Table 113. Asia-Pacific Bio-based Polyphthalamide (PPA) Sales Quantity by Region (2021-2026) & (Kilotons)

Table 114. Asia-Pacific Bio-based Polyphthalamide (PPA) Sales Quantity by Region

(2027-2032) & (Kilotons)

Table 115. Asia-Pacific Bio-based Polyphthalamide (PPA) Consumption Value by Region (2021-2026) & (USD Million)

Table 116. Asia-Pacific Bio-based Polyphthalamide (PPA) Consumption Value by Region (2027-2032) & (USD Million)

Table 117. South America Bio-based Polyphthalamide (PPA) Sales Quantity by Type (2021-2026) & (Kilotons)

Table 118. South America Bio-based Polyphthalamide (PPA) Sales Quantity by Type (2027-2032) & (Kilotons)

Table 119. South America Bio-based Polyphthalamide (PPA) Sales Quantity by Application (2021-2026) & (Kilotons)

Table 120. South America Bio-based Polyphthalamide (PPA) Sales Quantity by Application (2027-2032) & (Kilotons)

Table 121. South America Bio-based Polyphthalamide (PPA) Sales Quantity by Country (2021-2026) & (Kilotons)

Table 122. South America Bio-based Polyphthalamide (PPA) Sales Quantity by Country (2027-2032) & (Kilotons)

Table 123. South America Bio-based Polyphthalamide (PPA) Consumption Value by Country (2021-2026) & (USD Million)

Table 124. South America Bio-based Polyphthalamide (PPA) Consumption Value by Country (2027-2032) & (USD Million)

Table 125. Middle East & Africa Bio-based Polyphthalamide (PPA) Sales Quantity by Type (2021-2026) & (Kilotons)

Table 126. Middle East & Africa Bio-based Polyphthalamide (PPA) Sales Quantity by Type (2027-2032) & (Kilotons)

Table 127. Middle East & Africa Bio-based Polyphthalamide (PPA) Sales Quantity by Application (2021-2026) & (Kilotons)

Table 128. Middle East & Africa Bio-based Polyphthalamide (PPA) Sales Quantity by Application (2027-2032) & (Kilotons)

Table 129. Middle East & Africa Bio-based Polyphthalamide (PPA) Sales Quantity by Country (2021-2026) & (Kilotons)

Table 130. Middle East & Africa Bio-based Polyphthalamide (PPA) Sales Quantity by Country (2027-2032) & (Kilotons)

Table 131. Middle East & Africa Bio-based Polyphthalamide (PPA) Consumption Value by Country (2021-2026) & (USD Million)

Table 132. Middle East & Africa Bio-based Polyphthalamide (PPA) Consumption Value by Country (2027-2032) & (USD Million)

Table 133. Bio-based Polyphthalamide (PPA) Raw Material

Table 134. Key Manufacturers of Bio-based Polyphthalamide (PPA) Raw Materials

Table 135. Bio-based Polyphthalamide (PPA) Typical Distributors

Table 136. Bio-based Polyphthalamide (PPA) Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Bio-based Polyphthalamide (PPA) Picture
- Figure 2. Global Bio-based Polyphthalamide (PPA) Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Bio-based Polyphthalamide (PPA) Revenue Market Share by Type in 2025
- Figure 4. Fully Bio-based Examples
- Figure 5. Partially Bio-based Examples
- Figure 6. Global Bio-based Polyphthalamide (PPA) Revenue by Reinforcement, (USD Million), 2021 & 2025 & 2032
- Figure 7. Global Bio-based Polyphthalamide (PPA) Revenue Market Share by Reinforcement in 2025
- Figure 8. Glass Fiber Reinforced Bio-based PPA Examples
- Figure 9. Carbon Fiber Reinforced Bio-based PPA Examples
- Figure 10. Mineral-filled Bio-based PPA Examples
- Figure 11. Global Bio-based Polyphthalamide (PPA) Revenue by Heat Resistance Grade, (USD Million), 2021 & 2025 & 2032
- Figure 12. Global Bio-based Polyphthalamide (PPA) Revenue Market Share by Heat Resistance Grade in 2025
- Figure 13. 180°C Heat-resistant Bio-based PPA Examples
- Figure 14. 200°C Heat-resistant Bio-based PPA Examples
- Figure 15. 220°C High Heat-resistant Bio-based PPA Examples
- Figure 16. Global Bio-based Polyphthalamide (PPA) Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 17. Global Bio-based Polyphthalamide (PPA) Revenue Market Share by Application in 2025
- Figure 18. Automobile Examples
- Figure 19. Electronics Examples
- Figure 20. Ship Examples
- Figure 21. Construction Examples
- Figure 22. Other Examples
- Figure 23. Global Bio-based Polyphthalamide (PPA) Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 24. Global Bio-based Polyphthalamide (PPA) Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 25. Global Bio-based Polyphthalamide (PPA) Sales Quantity (2021-2032) &

(Kilotons)

Figure 26. Global Bio-based Polyphthalamide (PPA) Price (2021-2032) & (US\$/Ton)

Figure 27. Global Bio-based Polyphthalamide (PPA) Sales Quantity Market Share by Manufacturer in 2025

Figure 28. Global Bio-based Polyphthalamide (PPA) Revenue Market Share by Manufacturer in 2025

Figure 29. Producer Shipments of Bio-based Polyphthalamide (PPA) by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 30. Top 3 Bio-based Polyphthalamide (PPA) Manufacturer (Revenue) Market Share in 2025

Figure 31. Top 6 Bio-based Polyphthalamide (PPA) Manufacturer (Revenue) Market Share in 2025

Figure 32. Global Bio-based Polyphthalamide (PPA) Sales Quantity Market Share by Region (2021-2032)

Figure 33. Global Bio-based Polyphthalamide (PPA) Consumption Value Market Share by Region (2021-2032)

Figure 34. North America Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) & (USD Million)

Figure 35. Europe Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) & (USD Million)

Figure 36. Asia-Pacific Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) & (USD Million)

Figure 37. South America Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) & (USD Million)

Figure 38. Middle East & Africa Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) & (USD Million)

Figure 39. Global Bio-based Polyphthalamide (PPA) Sales Quantity Market Share by Type (2021-2032)

Figure 40. Global Bio-based Polyphthalamide (PPA) Consumption Value Market Share by Type (2021-2032)

Figure 41. Global Bio-based Polyphthalamide (PPA) Average Price by Type (2021-2032) & (US\$/Ton)

Figure 42. Global Bio-based Polyphthalamide (PPA) Sales Quantity Market Share by Application (2021-2032)

Figure 43. Global Bio-based Polyphthalamide (PPA) Revenue Market Share by Application (2021-2032)

Figure 44. Global Bio-based Polyphthalamide (PPA) Average Price by Application (2021-2032) & (US\$/Ton)

Figure 45. North America Bio-based Polyphthalamide (PPA) Sales Quantity Market

Share by Type (2021-2032)

Figure 46. North America Bio-based Polyphthalamide (PPA) Sales Quantity Market

Share by Application (2021-2032)

Figure 47. North America Bio-based Polyphthalamide (PPA) Sales Quantity Market

Share by Country (2021-2032)

Figure 48. North America Bio-based Polyphthalamide (PPA) Consumption Value Market

Share by Country (2021-2032)

Figure 49. United States Bio-based Polyphthalamide (PPA) Consumption Value
(2021-2032) & (USD Million)

Figure 50. Canada Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032)
& (USD Million)

Figure 51. Mexico Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032)
& (USD Million)

Figure 52. Europe Bio-based Polyphthalamide (PPA) Sales Quantity Market Share by
Type (2021-2032)

Figure 53. Europe Bio-based Polyphthalamide (PPA) Sales Quantity Market Share by
Application (2021-2032)

Figure 54. Europe Bio-based Polyphthalamide (PPA) Sales Quantity Market Share by
Country (2021-2032)

Figure 55. Europe Bio-based Polyphthalamide (PPA) Consumption Value Market Share
by Country (2021-2032)

Figure 56. Germany Bio-based Polyphthalamide (PPA) Consumption Value
(2021-2032) & (USD Million)

Figure 57. France Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) &
(USD Million)

Figure 58. United Kingdom Bio-based Polyphthalamide (PPA) Consumption Value
(2021-2032) & (USD Million)

Figure 59. Russia Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) &
(USD Million)

Figure 60. Italy Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) &
(USD Million)

Figure 61. Asia-Pacific Bio-based Polyphthalamide (PPA) Sales Quantity Market Share
by Type (2021-2032)

Figure 62. Asia-Pacific Bio-based Polyphthalamide (PPA) Sales Quantity Market Share
by Application (2021-2032)

Figure 63. Asia-Pacific Bio-based Polyphthalamide (PPA) Sales Quantity Market Share
by Region (2021-2032)

Figure 64. Asia-Pacific Bio-based Polyphthalamide (PPA) Consumption Value Market
Share by Region (2021-2032)

Figure 65. China Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) & (USD Million)

Figure 66. Japan Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) & (USD Million)

Figure 67. South Korea Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) & (USD Million)

Figure 68. India Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) & (USD Million)

Figure 69. Southeast Asia Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) & (USD Million)

Figure 70. Australia Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) & (USD Million)

Figure 71. South America Bio-based Polyphthalamide (PPA) Sales Quantity Market Share by Type (2021-2032)

Figure 72. South America Bio-based Polyphthalamide (PPA) Sales Quantity Market Share by Application (2021-2032)

Figure 73. South America Bio-based Polyphthalamide (PPA) Sales Quantity Market Share by Country (2021-2032)

Figure 74. South America Bio-based Polyphthalamide (PPA) Consumption Value Market Share by Country (2021-2032)

Figure 75. Brazil Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) & (USD Million)

Figure 76. Argentina Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) & (USD Million)

Figure 77. Middle East & Africa Bio-based Polyphthalamide (PPA) Sales Quantity Market Share by Type (2021-2032)

Figure 78. Middle East & Africa Bio-based Polyphthalamide (PPA) Sales Quantity Market Share by Application (2021-2032)

Figure 79. Middle East & Africa Bio-based Polyphthalamide (PPA) Sales Quantity Market Share by Country (2021-2032)

Figure 80. Middle East & Africa Bio-based Polyphthalamide (PPA) Consumption Value Market Share by Country (2021-2032)

Figure 81. Turkey Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) & (USD Million)

Figure 82. Egypt Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) & (USD Million)

Figure 83. Saudi Arabia Bio-based Polyphthalamide (PPA) Consumption Value (2021-2032) & (USD Million)

Figure 84. South Africa Bio-based Polyphthalamide (PPA) Consumption Value

(2021-2032) & (USD Million)

Figure 85. Bio-based Polyphthalamide (PPA) Market Drivers

Figure 86. Bio-based Polyphthalamide (PPA) Market Restraints

Figure 87. Bio-based Polyphthalamide (PPA) Market Trends

Figure 88. Porters Five Forces Analysis

Figure 89. Manufacturing Cost Structure Analysis of Bio-based Polyphthalamide (PPA) in 2025

Figure 90. Manufacturing Process Analysis of Bio-based Polyphthalamide (PPA)

Figure 91. Bio-based Polyphthalamide (PPA) Industrial Chain

Figure 92. Sales Channel: Direct to End-User vs Distributors

Figure 93. Direct Channel Pros & Cons

Figure 94. Indirect Channel Pros & Cons

Figure 95. Methodology

Figure 96. Research Process and Data Source

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