

# Global Polyphthalamide (PPA) Market Size, Manufacturers, Growth Analysis Industry Forecast to 2030

https://marketpublishers.com/r/G9F63FFF645BEN.html

Date: April 2024

Pages: 132

Price: US\$ 4,250.00 (Single User License)

ID: G9F63FFF645BEN

## **Abstracts**

Polyphthalamide (PPA) is a high heat resistant semi-aromatic polyamide. As a member of the nylon family it is a semi-crystalline or amorphous material composed from a diacid and a diamine. With its heat resistant and low moisture absorption properties, PPA is ideal for use in a chemical environment or temperature extreme conditions. Common applications include automotive motor bobbin parts, fuel line connectors and coolant pumps as well as bushings and bearing pads in aircraft engines. PPA is also used for pump wear rings in the oil & gas and energy industries, and used as electrical insulation, switches and connectors in electrical & electronics industries.

According to APO Research, The global Polyphthalamide (PPA) market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

US is the largest Polyphthalamide (PPA) market with about 44% market share. Europe is follower, accounting for about 21% market share.

The key players are DowDuPont, Solvay, EMS-CHEMIE, Mitsui Chemicals, Arkema, Evonik, Sabic, BASF, AKRO-PLASTIC, KEP, DZT, NHU Special Materials etc. Top 3 companies occupied about 67% market share.

This report presents an overview of global market for Polyphthalamide (PPA), sales, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Polyphthalamide (PPA), also provides the



sales of main regions and countries. Of the upcoming market potential for Polyphthalamide (PPA), and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Polyphthalamide (PPA) sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Polyphthalamide (PPA) market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by Type and by Application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Polyphthalamide (PPA) sales, projected growth trends, production technology, application and end-user industry.

Descriptive company profiles of the major global players, including DuPont, Solvay, EMS-CHEMIE, Mitsui Chemicals, Arkema, Evonik, Sabic, BASF and AKRO-PLASTIC, etc.

Polyphthalamide (PPA) segment by Company

DuPont

Solvay

EMS-CHEMIE

Mitsui Chemicals

Arkema

Evonik

Sabic



BASF			
AKRO-PLASTIC			
KEP			
DZT			
NHU Special Materials			
Polyphthalamide (PPA) segment by Type			
Amorphous PPA			
Semi-crystalline PPA			
Polyphthalamide (PPA) segment by Application			
Automotive Industry			
Electrical & Electronics Industry			
Industrial Equipment			
Others			
Polyphthalamide (PPA) segment by Region			
North America			
U.S.			
Canada			
Europe			



Germany
France
U.K.
Italy
Russia
Asia-Pacific
China
Japan
South Korea
India
Australia
China Taiwan
Indonesia
Thailand
Malaysia
Latin America
Mexico
Brazil
Argentina

Middle East & Africa



Saudi Arabia

**UAE** 

## Study Objectives

- 1. To analyze and research the global Polyphthalamide (PPA) status and future forecast, involving, sales, revenue, growth rate (CAGR), market share, historical and forecast.
- 2. To present the key manufacturers, sales, revenue, market share, and Recent Developments.
- 3. To split the breakdown data by regions, type, manufacturers, and Application.
- 4. To analyze the global and key regions Polyphthalamide (PPA) market potential and advantage, opportunity and challenge, restraints, and risks.
- 5. To identify Polyphthalamide (PPA) significant trends, drivers, influence factors in global and regions.
- 6. To analyze Polyphthalamide (PPA) competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

#### Reasons to Buy This Report

- 1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Polyphthalamide (PPA) market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
- 2. This report will help stakeholders to understand the global industry status and trends



of Polyphthalamide (PPA) and provides them with information on key market drivers, restraints, challenges, and opportunities.

- 3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in sales and value), competitor ecosystem, new product development, expansion, and acquisition.
- 4. This report stays updated with novel technology integration, features, and the latest developments in the market.
- 5. This report helps stakeholders to gain insights into which regions to target globally.
- 6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Polyphthalamide (PPA).
- 7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

#### Chapter Outline

Chapter 1: Provides an overview of the Polyphthalamide (PPA) market, including product definition, global market growth prospects, sales value, sales volume, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Polyphthalamide (PPA) industry.

Chapter 3: Detailed analysis of Polyphthalamide (PPA) manufacturers competitive landscape, price, sales and revenue market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.



Chapter 6: Sales and value of Polyphthalamide (PPA) in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the market development, future development prospects, market space, and market size of each country in the world.

Chapter 7: Sales and value of Polyphthalamide (PPA) in country level. It provides sigmate data by type, and by application for each country/region.

Chapter 8: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights.

Chapter 10: Concluding Insights.



## **Contents**

#### 1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
- 1.2.1 Global Polyphthalamide (PPA) Sales Value (2019-2030)
- 1.2.2 Global Polyphthalamide (PPA) Sales Volume (2019-2030)
- 1.2.3 Global Polyphthalamide (PPA) Sales Average Price (2019-2030)
- 1.3 Assumptions and Limitations
- 1.4 Study Goals and Objectives

#### 2 POLYPHTHALAMIDE (PPA) MARKET DYNAMICS

- 2.1 Polyphthalamide (PPA) Industry Trends
- 2.2 Polyphthalamide (PPA) Industry Drivers
- 2.3 Polyphthalamide (PPA) Industry Opportunities and Challenges
- 2.4 Polyphthalamide (PPA) Industry Restraints

## 3 POLYPHTHALAMIDE (PPA) MARKET BY COMPANY

- 3.1 Global Polyphthalamide (PPA) Company Revenue Ranking in 2023
- 3.2 Global Polyphthalamide (PPA) Revenue by Company (2019-2024)
- 3.3 Global Polyphthalamide (PPA) Sales Volume by Company (2019-2024)
- 3.4 Global Polyphthalamide (PPA) Average Price by Company (2019-2024)
- 3.5 Global Polyphthalamide (PPA) Company Ranking, 2022 VS 2023 VS 2024
- 3.6 Global Polyphthalamide (PPA) Company Manufacturing Base & Headquarters
- 3.7 Global Polyphthalamide (PPA) Company, Product Type & Application
- 3.8 Global Polyphthalamide (PPA) Company Commercialization Time
- 3.9 Market Competitive Analysis
  - 3.9.1 Global Polyphthalamide (PPA) Market CR5 and HHI
  - 3.9.2 Global Top 5 and 10 Company Market Share by Revenue in 2023
  - 3.9.3 2023 Polyphthalamide (PPA) Tier 1, Tier 2, and Tier
- 3.10 Mergers & Acquisitions, Expansion

#### 4 POLYPHTHALAMIDE (PPA) MARKET BY TYPE

- 4.1 Polyphthalamide (PPA) Type Introduction
  - 4.1.1 Amorphous PPA



- 4.1.2 Semi-crystalline PPA
- 4.2 Global Polyphthalamide (PPA) Sales Volume by Type
  - 4.2.1 Global Polyphthalamide (PPA) Sales Volume by Type (2019 VS 2023 VS 2030)
  - 4.2.2 Global Polyphthalamide (PPA) Sales Volume by Type (2019-2030)
  - 4.2.3 Global Polyphthalamide (PPA) Sales Volume Share by Type (2019-2030)
- 4.3 Global Polyphthalamide (PPA) Sales Value by Type
  - 4.3.1 Global Polyphthalamide (PPA) Sales Value by Type (2019 VS 2023 VS 2030)
  - 4.3.2 Global Polyphthalamide (PPA) Sales Value by Type (2019-2030)
  - 4.3.3 Global Polyphthalamide (PPA) Sales Value Share by Type (2019-2030)

## 5 POLYPHTHALAMIDE (PPA) MARKET BY APPLICATION

- 5.1 Polyphthalamide (PPA) Application Introduction
  - 5.1.1 Automotive Industry
  - 5.1.2 Electrical & Electronics Industry
  - 5.1.3 Industrial Equipment
  - 5.1.4 Others
- 5.2 Global Polyphthalamide (PPA) Sales Volume by Application
- 5.2.1 Global Polyphthalamide (PPA) Sales Volume by Application (2019 VS 2023 VS 2030)
- 5.2.2 Global Polyphthalamide (PPA) Sales Volume by Application (2019-2030)
- 5.2.3 Global Polyphthalamide (PPA) Sales Volume Share by Application (2019-2030)
- 5.3 Global Polyphthalamide (PPA) Sales Value by Application
- 5.3.1 Global Polyphthalamide (PPA) Sales Value by Application (2019 VS 2023 VS 2030)
  - 5.3.2 Global Polyphthalamide (PPA) Sales Value by Application (2019-2030)
  - 5.3.3 Global Polyphthalamide (PPA) Sales Value Share by Application (2019-2030)

#### **6 POLYPHTHALAMIDE (PPA) MARKET BY REGION**

- 6.1 Global Polyphthalamide (PPA) Sales by Region: 2019 VS 2023 VS 2030
- 6.2 Global Polyphthalamide (PPA) Sales by Region (2019-2030)
  - 6.2.1 Global Polyphthalamide (PPA) Sales by Region: 2019-2024
  - 6.2.2 Global Polyphthalamide (PPA) Sales by Region (2025-2030)
- 6.3 Global Polyphthalamide (PPA) Sales Value by Region: 2019 VS 2023 VS 2030
- 6.4 Global Polyphthalamide (PPA) Sales Value by Region (2019-2030)
  - 6.4.1 Global Polyphthalamide (PPA) Sales Value by Region: 2019-2024
  - 6.4.2 Global Polyphthalamide (PPA) Sales Value by Region (2025-2030)
- 6.5 Global Polyphthalamide (PPA) Market Price Analysis by Region (2019-2024)



#### 6.6 North America

- 6.6.1 North America Polyphthalamide (PPA) Sales Value (2019-2030)
- 6.6.2 North America Polyphthalamide (PPA) Sales Value Share by Country, 2023 VS 2030

## 6.7 Europe

- 6.7.1 Europe Polyphthalamide (PPA) Sales Value (2019-2030)
- 6.7.2 Europe Polyphthalamide (PPA) Sales Value Share by Country, 2023 VS 2030 6.8 Asia-Pacific
  - 6.8.1 Asia-Pacific Polyphthalamide (PPA) Sales Value (2019-2030)
- 6.8.2 Asia-Pacific Polyphthalamide (PPA) Sales Value Share by Country, 2023 VS 2030
- 6.9 Latin America
- 6.9.1 Latin America Polyphthalamide (PPA) Sales Value (2019-2030)
- 6.9.2 Latin America Polyphthalamide (PPA) Sales Value Share by Country, 2023 VS 2030
- 6.10 Middle East & Africa
  - 6.10.1 Middle East & Africa Polyphthalamide (PPA) Sales Value (2019-2030)
- 6.10.2 Middle East & Africa Polyphthalamide (PPA) Sales Value Share by Country, 2023 VS 2030

#### 7 POLYPHTHALAMIDE (PPA) MARKET BY COUNTRY

- 7.1 Global Polyphthalamide (PPA) Sales by Country: 2019 VS 2023 VS 2030
- 7.2 Global Polyphthalamide (PPA) Sales Value by Country: 2019 VS 2023 VS 2030
- 7.3 Global Polyphthalamide (PPA) Sales by Country (2019-2030)
  - 7.3.1 Global Polyphthalamide (PPA) Sales by Country (2019-2024)
  - 7.3.2 Global Polyphthalamide (PPA) Sales by Country (2025-2030)
- 7.4 Global Polyphthalamide (PPA) Sales Value by Country (2019-2030)
  - 7.4.1 Global Polyphthalamide (PPA) Sales Value by Country (2019-2024)
  - 7.4.2 Global Polyphthalamide (PPA) Sales Value by Country (2025-2030)

#### 7.5 USA

- 7.5.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
- 7.5.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.5.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030

#### 7.6 Canada

- 7.6.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
- 7.6.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.6.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030

#### 7.7 Germany



- 7.7.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
- 7.7.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.7.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030 7.8 France
  - 7.8.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
- 7.8.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.8.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030 7.9 U.K.
  - 7.9.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
  - 7.9.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.9.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030 7.10 Italy
  - 7.10.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
  - 7.10.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.10.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030

#### 7.11 Netherlands

- 7.11.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
- 7.11.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.11.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030

#### 7.12 Nordic Countries

- 7.12.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
- 7.12.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.12.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030

#### 7.13 China

- 7.13.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
- 7.13.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.13.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030

#### 7.14 Japan

- 7.14.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
- 7.14.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.14.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030

#### 7.15 South Korea

- 7.15.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
- 7.15.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030



- 7.15.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030
- 7.16 Southeast Asia
  - 7.16.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
  - 7.16.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.16.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030
- 7.17 India
  - 7.17.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
  - 7.17.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.17.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030
- 7.18 Australia
  - 7.18.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
  - 7.18.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.18.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030
- 7.19 Mexico
  - 7.19.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
  - 7.19.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.19.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030
- 7.20 Brazil
  - 7.20.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
  - 7.20.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.20.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030
- 7.21 Turkey
  - 7.21.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
  - 7.21.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.21.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030
- 7.22 Saudi Arabia
  - 7.22.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)
  - 7.22.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 2030
- 7.22.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030
- 7.23 UAE
  - 7.23.1 Global Polyphthalamide (PPA) Sales Value Growth Rate (2019-2030)



7.23.2 Global Polyphthalamide (PPA) Sales Value Share by Type, 2023 VS 20307.23.3 Global Polyphthalamide (PPA) Sales Value Share by Application, 2023 VS 2030

#### **8 COMPANY PROFILES**

- 8.1 DuPont
  - 8.1.1 DuPont Comapny Information
  - 8.1.2 DuPont Business Overview
  - 8.1.3 DuPont Polyphthalamide (PPA) Sales, Value and Gross Margin (2019-2024)
  - 8.1.4 DuPont Polyphthalamide (PPA) Product Portfolio
  - 8.1.5 DuPont Recent Developments
- 8.2 Solvay
  - 8.2.1 Solvay Comapny Information
  - 8.2.2 Solvay Business Overview
  - 8.2.3 Solvay Polyphthalamide (PPA) Sales, Value and Gross Margin (2019-2024)
  - 8.2.4 Solvay Polyphthalamide (PPA) Product Portfolio
  - 8.2.5 Solvay Recent Developments
- 8.3 EMS-CHEMIE
  - 8.3.1 EMS-CHEMIE Comapny Information
  - 8.3.2 EMS-CHEMIE Business Overview
- 8.3.3 EMS-CHEMIE Polyphthalamide (PPA) Sales, Value and Gross Margin (2019-2024)
  - 8.3.4 EMS-CHEMIE Polyphthalamide (PPA) Product Portfolio
- 8.3.5 EMS-CHEMIE Recent Developments
- 8.4 Mitsui Chemicals
  - 8.4.1 Mitsui Chemicals Comapny Information
  - 8.4.2 Mitsui Chemicals Business Overview
- 8.4.3 Mitsui Chemicals Polyphthalamide (PPA) Sales, Value and Gross Margin (2019-2024)
- 8.4.4 Mitsui Chemicals Polyphthalamide (PPA) Product Portfolio
- 8.4.5 Mitsui Chemicals Recent Developments
- 8.5 Arkema
  - 8.5.1 Arkema Comapny Information
  - 8.5.2 Arkema Business Overview
  - 8.5.3 Arkema Polyphthalamide (PPA) Sales, Value and Gross Margin (2019-2024)
  - 8.5.4 Arkema Polyphthalamide (PPA) Product Portfolio
  - 8.5.5 Arkema Recent Developments
- 8.6 Evonik



- 8.6.1 Evonik Comapny Information
- 8.6.2 Evonik Business Overview
- 8.6.3 Evonik Polyphthalamide (PPA) Sales, Value and Gross Margin (2019-2024)
- 8.6.4 Evonik Polyphthalamide (PPA) Product Portfolio
- 8.6.5 Evonik Recent Developments
- 8.7 Sabic
  - 8.7.1 Sabic Comapny Information
  - 8.7.2 Sabic Business Overview
  - 8.7.3 Sabic Polyphthalamide (PPA) Sales, Value and Gross Margin (2019-2024)
  - 8.7.4 Sabic Polyphthalamide (PPA) Product Portfolio
  - 8.7.5 Sabic Recent Developments
- **8.8 BASF** 
  - 8.8.1 BASF Comapny Information
  - 8.8.2 BASF Business Overview
  - 8.8.3 BASF Polyphthalamide (PPA) Sales, Value and Gross Margin (2019-2024)
  - 8.8.4 BASF Polyphthalamide (PPA) Product Portfolio
  - 8.8.5 BASF Recent Developments
- 8.9 AKRO-PLASTIC
  - 8.9.1 AKRO-PLASTIC Comapny Information
  - 8.9.2 AKRO-PLASTIC Business Overview
- 8.9.3 AKRO-PLASTIC Polyphthalamide (PPA) Sales, Value and Gross Margin (2019-2024)
  - 8.9.4 AKRO-PLASTIC Polyphthalamide (PPA) Product Portfolio
  - 8.9.5 AKRO-PLASTIC Recent Developments
- 8.10 KEP
  - 8.10.1 KEP Comapny Information
  - 8.10.2 KEP Business Overview
  - 8.10.3 KEP Polyphthalamide (PPA) Sales, Value and Gross Margin (2019-2024)
  - 8.10.4 KEP Polyphthalamide (PPA) Product Portfolio
  - 8.10.5 KEP Recent Developments
- 8.11 DZT
  - 8.11.1 DZT Comapny Information
  - 8.11.2 DZT Business Overview
  - 8.11.3 DZT Polyphthalamide (PPA) Sales, Value and Gross Margin (2019-2024)
  - 8.11.4 DZT Polyphthalamide (PPA) Product Portfolio
  - 8.11.5 DZT Recent Developments
- 8.12 NHU Special Materials
  - 8.12.1 NHU Special Materials Comapny Information
  - 8.12.2 NHU Special Materials Business Overview



- 8.12.3 NHU Special Materials Polyphthalamide (PPA) Sales, Value and Gross Margin (2019-2024)
  - 8.12.4 NHU Special Materials Polyphthalamide (PPA) Product Portfolio
- 8.12.5 NHU Special Materials Recent Developments

#### 9 VALUE CHAIN AND SALES CHANNELS ANALYSIS

- 9.1 Polyphthalamide (PPA) Value Chain Analysis
  - 9.1.1 Polyphthalamide (PPA) Key Raw Materials
  - 9.1.2 Raw Materials Key Suppliers
  - 9.1.3 Manufacturing Cost Structure
  - 9.1.4 Polyphthalamide (PPA) Sales Mode & Process
- 9.2 Polyphthalamide (PPA) Sales Channels Analysis
  - 9.2.1 Direct Comparison with Distribution Share
  - 9.2.2 Polyphthalamide (PPA) Distributors
  - 9.2.3 Polyphthalamide (PPA) Customers

## **10 CONCLUDING INSIGHTS**

#### 11 APPENDIX

- 11.1 Reasons for Doing This Study
- 11.2 Research Methodology
- 11.3 Research Process
- 11.4 Authors List of This Report
- 11.5 Data Source
  - 11.5.1 Secondary Sources
  - 11.5.2 Primary Sources
- 11.6 Disclaimer



#### I would like to order

Product name: Global Polyphthalamide (PPA) Market Size, Manufacturers, Growth Analysis Industry

Forecast to 2030

Product link: https://marketpublishers.com/r/G9F63FFF645BEN.html

Price: US\$ 4,250.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

## **Payment**

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/G9F63FFF645BEN.html">https://marketpublishers.com/r/G9F63FFF645BEN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970



