

Global Polyamide-Imide (PAI) Market Size study & Forecast, by Application (Molding resins, Wire enamels, Coatings, Fibers)and Regional Analysis, 2022-2029

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Abstracts

Global Polyamide-Imide (PAI) Market is valued at approximately USD 559.2 Million in 2021 and is anticipated to grow with a healthy growth rate of more than 6.3% over the forecast period 2022-2029. Polyamide-Imide (PAI) is a strong and high-performing thermoplastic that possesses excellent chemical, thermal and mechanical properties. It is used in a wider range of applications due to its lightweight features. It is preferred over all other thermoplastics due to its high strength and extensive properties. Various industries are adopting PAIs due to their long-term stability, durability, and strength. Additionally, rising demand for high-temperature thermoplastics and growing demand for Polyamide-Imide in resin and plastic manufacturing are driving the market over the forecast period.

With the higher production of thermoplastics, the demand for high-temperature thermoplastics was driving the market for Polyamide-Imide (PAI). Around 400 million metric tons were produced in 2020. PAI provides excellent performance during severe thermal and chemical environments which makes it highly preferable over other thermoplastics. Polyamide-Imide is preferred for the manufacturing of resin and plastics. PAI is used as a stiff plastic material to manufacture and produce components withstanding heavy loads. For Instance, plastic and resin manufacturing in the United States was growing continuously, an increase of 2% seen in 2022 compared to previous year. In 2022, the market size of resin amounted to USD 97.5 billion. Global plastic production amounted to nearly 367 million metric tons in 2020. Moreover, PAIs are available in various forms due to its Melt-process ability their demand in the automotive, aerospace, and electric industries are rising due to their versatile nature.

However, the high cost of Polyamide-Imide (PAI) stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Polyamide-Imide (PAI) Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia-Pacific dominated the market for Polyamide-Imide. The electronics and electrical industry demanded power efficient and reliable materials that boosted the demand for Polyamide-Imide (PAI). This region has a growing demand for high-performance thermoplastics which surges the market. North America is projected to be the fastest growing reason in the coming years. The emerging demand for stiff plastic in the aerospace and automotive industry is driving the market of PAIs. Several PAI resin and plastic market players boosted the growth of PAI Plastics and PAI Resin in this region.

Major market player included in this report are:

Toyobo Co., Ltd.

Mitsubishi Motors Corporation

FUJIFILM Holdings Corporation

Shanghai Songhan Plastic Technology Co., Ltd

Kermel

Solvay S.A.

InnoTek Limited.

Ensinger GmbH

Huntsman Corporation

Toray Industries, Inc.

Recent Developments in the Market:

In March 2022, Toyobo Co. Ltd, collaborated with Mitsubishi Motors Corporation to specialize in the manufacturing and sales of materials of Polyamide-Imide.

In March 2017, EnduroSharp scrapper blades were launched by Solvay for the aerospace industry. These blades had high stiffness and strength due to Polyamide-Imide used in its manufacturing.

Global Polyamide-Imide (PAI) Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Application, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

Molding resins

Wire enamels

Coatings

Fibers

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Million)
 - 1.2.1. Polyamide-Imide (PAI) Market, by Region, 2019-2029 (USD Million)
 - 1.2.2. Polyamide-Imide (PAI) Market, by Application, 2019-2029 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL POLYAMIDE-IMIDE (PAI) MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL POLYAMIDE-IMIDE (PAI) MARKET DYNAMICS

- 3.1. Polyamide-Imide (PAI) Market Impact Analysis (2019-2029)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Rising demand for high temperature Thermoplastics
 - 3.1.1.2. Growing PAI Resin and PAI Plastic market
 - 3.1.2. Market Challenges
 - 3.1.2.1. High Cost of Polyamide-Imide (PAI)
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Melt-process ability of Polyamide-Imide
 - 3.1.3.2. Growing Automotive and Aerospace Industries

CHAPTER 4. GLOBAL POLYAMIDE-IMIDE (PAI) MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers

- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
- 4.4. Investment Adoption Model
- 4.5. Analyst Recommendation & Conclusion
- 4.6. Top investment opportunity
- 4.7. Top winning strategies

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL POLYAMIDE-IMIDE (PAI) MARKET, BY APPLICATION

- 6.1. Market Snapshot
- 6.2. Global Polyamide-Imide (PAI) Market by Application, Performance - Potential Analysis
- 6.3. Global Polyamide-Imide (PAI) Market Estimates & Forecasts by Application 2019-2029 (USD Million)
- 6.4. Polyamide-Imide (PAI) Market, Sub Segment Analysis
 - 6.4.1. Molding resins
 - 6.4.2. Wire enamels
 - 6.4.3. Coatings
 - 6.4.4. Fibers

CHAPTER 7. GLOBAL POLYAMIDE-IMIDE (PAI) MARKET, REGIONAL ANALYSIS

- 7.1. Polyamide-Imide (PAI) Market, Regional Market Snapshot
- 7.2. North America Polyamide-Imide (PAI) Market
 - 7.2.1. U.S. Polyamide-Imide (PAI) Market
 - 7.2.1.1. Application breakdown estimates & forecasts, 2019-2029
 - 7.2.2. Canada Polyamide-Imide (PAI) Market

- 7.3. Europe Polyamide-Imide (PAI) Market Snapshot
 - 7.3.1. U.K. Polyamide-Imide (PAI) Market
 - 7.3.2. Germany Polyamide-Imide (PAI) Market
 - 7.3.3. France Polyamide-Imide (PAI) Market
 - 7.3.4. Spain Polyamide-Imide (PAI) Market
 - 7.3.5. Italy Polyamide-Imide (PAI) Market
 - 7.3.6. Rest of Europe Polyamide-Imide (PAI) Market
- 7.4. Asia-Pacific Polyamide-Imide (PAI) Market Snapshot
 - 7.4.1. China Polyamide-Imide (PAI) Market
 - 7.4.2. India Polyamide-Imide (PAI) Market
 - 7.4.3. Japan Polyamide-Imide (PAI) Market
 - 7.4.4. Australia Polyamide-Imide (PAI) Market
 - 7.4.5. South Korea Polyamide-Imide (PAI) Market
 - 7.4.6. Rest of Asia Pacific Polyamide-Imide (PAI) Market
- 7.5. Latin America Polyamide-Imide (PAI) Market Snapshot
 - 7.5.1. Brazil Polyamide-Imide (PAI) Market
 - 7.5.2. Mexico Polyamide-Imide (PAI) Market
- 7.6. Rest of The World Polyamide-Imide (PAI) Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Top Market Strategies
- 8.2. Company Profiles
 - 8.2.1. Toyobo Co., Ltd.
 - 8.2.1.1. Key Information
 - 8.2.1.2. Overview
 - 8.2.1.3. Financial (Subject to Data Availability)
 - 8.2.1.4. Product Summary
 - 8.2.1.5. Recent Developments
 - 8.2.2. Mitsubishi Motors Corporation
 - 8.2.3. FUJIFILM Holdings Corporation
 - 8.2.4. Shanghai Songhan Plastic Technology Co., Ltd
 - 8.2.5. Kermel
 - 8.2.6. Solvay S.A.
 - 8.2.7. InnoTek Limited.
 - 8.2.8. Ensinger GmbH,
 - 8.2.9. Huntsman Corporation
 - 8.2.10. Toray Industries, Inc.

CHAPTER 9. RESEARCH PROCESS

9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

9.2. Research Attributes

9.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Polyamide-Imide (PAI) Market, report scope

TABLE 2. Global Polyamide-Imide (PAI) Market estimates & forecasts by Region 2019-2029 (USD Million)

TABLE 3. Global Polyamide-Imide (PAI) Market estimates & forecasts by Application 2019-2029 (USD Million)

TABLE 4. Global Polyamide-Imide (PAI) Market by segment, estimates & forecasts, 2019-2029 (USD Million)

TABLE 5. Global Polyamide-Imide (PAI) Market by region, estimates & forecasts, 2019-2029 (USD Million)

TABLE 6. Global Polyamide-Imide (PAI) Market by segment, estimates & forecasts, 2019-2029 (USD Million)

TABLE 7. Global Polyamide-Imide (PAI) Market by region, estimates & forecasts, 2019-2029 (USD Million)

TABLE 8. Global Polyamide-Imide (PAI) Market by segment, estimates & forecasts, 2019-2029 (USD Million)

TABLE 9. Global Polyamide-Imide (PAI) Market by region, estimates & forecasts, 2019-2029 (USD Million)

TABLE 10. Global Polyamide-Imide (PAI) Market by segment, estimates & forecasts, 2019-2029 (USD Million)

TABLE 11. Global Polyamide-Imide (PAI) Market by region, estimates & forecasts, 2019-2029 (USD Million)

TABLE 12. Global Polyamide-Imide (PAI) Market by segment, estimates & forecasts, 2019-2029 (USD Million)

TABLE 13. Global Polyamide-Imide (PAI) Market by region, estimates & forecasts, 2019-2029 (USD Million)

TABLE 14. U.S. Polyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 15. U.S. Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 16. U.S. Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 17. Canada Polyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 18. Canada Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 19. Canada Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 20. UK Polyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 21. UK Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 22. UK Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 23. Germany Polyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 24. Germany Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 25. Germany Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 26. France Polyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 27. France Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 28. France Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 29. Italy Polyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 30. Italy Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 31. Italy Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 32. Spain Polyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 33. Spain Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 34. Spain Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 35. RoE Polyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 36. RoE Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 37. RoE Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 38. China Polyamide-Imide (PAI) Market estimates & forecasts, 2019-2029

(USD Million)

TABLE 39. China Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 40. China Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 41. India Polyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 42. India Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 43. India Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 44. Japan Polyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 45. Japan Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 46. Japan Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 47. South Korea Polyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 48. South Korea Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 49. South Korea Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 50. Australia Polyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 51. Australia Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 52. Australia Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 53. RoAPACPolyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 54. RoAPACPolyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 55. RoAPACPolyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 56. Brazil Polyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 57. Brazil Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 58. Brazil Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 59. Mexico Polyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 60. Mexico Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 61. Mexico Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 62. RoLAPolyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 63. RoLAPolyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 64. RoLAPolyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 65. Row Polyamide-Imide (PAI) Market estimates & forecasts, 2019-2029 (USD Million)

TABLE 66. Row Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 67. Row Polyamide-Imide (PAI) Market estimates & forecasts by segment 2019-2029 (USD Million)

TABLE 68. List of secondary sources, used in the study of global Polyamide-Imide (PAI) Market

TABLE 69. List of primary sources, used in the study of global Polyamide-Imide (PAI) Market

TABLE 70. Years considered for the study

TABLE 71. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Polyamide-Imide (PAI) Market, research methodology
 - FIG 2. Global Polyamide-Imide (PAI) Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Polyamide-Imide (PAI) Market, key trends 2021
 - FIG 5. Global Polyamide-Imide (PAI) Market, growth prospects 2022-2029
 - FIG 6. Global Polyamide-Imide (PAI) Market, porters 5 force model
 - FIG 7. Global Polyamide-Imide (PAI) Market, pest analysis
 - FIG 8. Global Polyamide-Imide (PAI) Market, value chain analysis
 - FIG 9. Global Polyamide-Imide (PAI) Market by segment, 2019 & 2029 (USD Million)
 - FIG 10. Global Polyamide-Imide (PAI) Market by segment, 2019 & 2029 (USD Million)
 - FIG 11. Global Polyamide-Imide (PAI) Market by segment, 2019 & 2029 (USD Million)
 - FIG 12. Global Polyamide-Imide (PAI) Market by segment, 2019 & 2029 (USD Million)
 - FIG 13. Global Polyamide-Imide (PAI) Market by segment, 2019 & 2029 (USD Million)
 - FIG 14. Global Polyamide-Imide (PAI) Market, regional snapshot 2019 & 2029
 - FIG 15. North America Polyamide-Imide (PAI) Market 2019 & 2029 (USD Million)
 - FIG 16. Europe Polyamide-Imide (PAI) Market 2019 & 2029 (USD Million)
 - FIG 17. Asia pacific Polyamide-Imide (PAI) Market 2019 & 2029 (USD Million)
 - FIG 18. Latin America Polyamide-Imide (PAI) Market 2019 & 2029 (USD Million)
 - FIG 19. Global Polyamide-Imide (PAI) Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

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