

Global Specialty Polyamides Market Size Study, by Product (Long Chain Specialty Polyamide, High-Temperature Specialty Polyamide, and MXD6), by Application (Transportation, Energy, Consumer Goods, Industrial Coatings, Electronics, and Others), and Regional Forecasts 2022-2032

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Abstracts

The Global Specialty Polyamides Market, currently valued at approximately USD 3.71 billion in 2023, is anticipated to witness robust growth at a CAGR of 5.46% during the forecast period of 2024-2032. Specialty polyamides, renowned for their high-performance attributes such as thermal stability, superior mechanical properties, and resistance to chemicals, have become indispensable in diverse industries. These polyamides cater to the demand for durable and lightweight materials across applications like transportation, consumer goods, and electronics. The market's trajectory is shaped by continuous advancements in polymer science and the surging adoption of high-temperature and long-chain specialty polyamides in demanding industrial environments.

Driven by the increasing penetration of specialty polyamides in the transportation sector, the market is gaining momentum as automakers prioritize lightweight materials to enhance fuel efficiency and reduce carbon emissions. The energy sector further propels demand, leveraging specialty polyamides in renewable energy systems and efficient power transmission solutions. Meanwhile, the electronics industry, driven by consumer demand for innovative and compact devices, relies on these materials for components requiring excellent insulation and durability. However, the high costs of raw materials and processing, coupled with fluctuating supply chains, present challenges to market expansion. Despite these obstacles, rising investments in research and

development are fostering cost-effective production methods, making specialty polyamides more accessible across sectors.

Regionally, the market exhibits diverse growth patterns. North America and Europe lead in technological innovation and industrial applications, underpinned by stringent environmental regulations and the push for sustainable materials. Asia-Pacific emerges as the fastest-growing region, supported by rapid industrialization, expanding automotive production, and government initiatives to boost manufacturing capacities in countries like China, India, and Japan. Latin America and the Middle East & Africa, while still nascent markets, showcase promising growth prospects fueled by increased adoption in energy and construction applications.

Major market players included in this report are:

BASF SE

Arkema S.A.

DSM Engineering Plastics

Evonik Industries AG

Solvay S.A.

Ascend Performance Materials

DuPont de Nemours, Inc.

Toray Industries, Inc.

SABIC

Ube Industries, Ltd.

RadiciGroup

EMS-Chemie Holding AG

Kuraray Co., Ltd.

Lanxess AG

Kolon Plastics, Inc.

The detailed segments and sub-segments of the market are explained below:

By Product:

Long Chain Specialty Polyamide

High-Temperature Specialty Polyamide

MXD6

By Application:

Transportation

Energy

Consumer Goods

Industrial Coatings

Electronics

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical year: 2022

Base year: 2023

Forecast period: 2024 to 2032

Key Takeaways:

Market estimates and forecasts for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Comprehensive insights into geographical trends with country-specific analysis.

Detailed competitive landscape featuring major industry players.

Strategic recommendations and forward-looking insights for stakeholders.

Contents

CHAPTER 1. GLOBAL SPECIALTY POLYAMIDES MARKET EXECUTIVE SUMMARY

- 1.1. Global Specialty Polyamides Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Product
 - 1.3.2. By Application
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL SPECIALTY POLYAMIDES MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory Frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL SPECIALTY POLYAMIDES MARKET DYNAMICS

3.1. Market Drivers

- 3.1.1. Increasing Demand in the Transportation Sector
- 3.1.2. Advancements in Polymer Science
- 3.1.3. Government Incentives for Sustainable Materials

3.2. Market Challenges

- 3.2.1. High Raw Material and Processing Costs
- 3.2.2. Fluctuating Supply Chains

3.3. Market Opportunities

- 3.3.1. Expansion into Emerging Markets
- 3.3.2. Innovation in Multi-Polymer Recycling Solutions
- 3.3.3. Strategic Partnerships and Collaborations

CHAPTER 4. GLOBAL SPECIALTY POLYAMIDES 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
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top Investment Opportunities

4.4. Top Winning Strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL SPECIALTY POLYAMIDES MARKET SIZE & FORECASTS BY PRODUCT 2022-2032

5.1. Segment Dashboard

5.2. Global Specialty Polyamides Market: Product Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

- 5.2.1. Long Chain Specialty Polyamide
- 5.2.2. High-Temperature Specialty Polyamide
- 5.2.3. MXD6

CHAPTER 6. GLOBAL SPECIALTY POLYAMIDES MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

6.1. Segment Dashboard

6.2. Global Specialty Polyamides Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

- 6.2.1. Transportation
- 6.2.2. Energy
- 6.2.3. Consumer Goods
- 6.2.4. Industrial Coatings
- 6.2.5. Electronics
- 6.2.6. Others

CHAPTER 7. GLOBAL SPECIALTY POLYAMIDES MARKET SIZE & FORECASTS BY REGION 2022-2032

7.1. North America Specialty Polyamides Market

- 7.1.1. U.S. Specialty Polyamides Market
 - 7.1.1.1. Product Breakdown Size & Forecasts, 2022-2032
 - 7.1.1.2. Application Breakdown Size & Forecasts, 2022-2032
 - 7.1.1.3. End-use Breakdown Size & Forecasts, 2022-2032
 - 7.1.1.4. Regional Breakdown Size & Forecasts, 2022-2032
- 7.1.2. Canada Specialty Polyamides Market

7.2. Europe Specialty Polyamides Market

- 7.2.1. UK Specialty Polyamides Market
- 7.2.2. Germany Specialty Polyamides Market
- 7.2.3. France Specialty Polyamides Market
- 7.2.4. Spain Specialty Polyamides Market
- 7.2.5. Italy Specialty Polyamides Market
- 7.2.6. Rest of Europe Specialty Polyamides Market

7.3. Asia-Pacific Specialty Polyamides Market

- 7.3.1. China Specialty Polyamides Market
- 7.3.2. India Specialty Polyamides Market

- 7.3.3. Japan Specialty Polyamides Market
- 7.3.4. Australia Specialty Polyamides Market
- 7.3.5. South Korea Specialty Polyamides Market
- 7.3.6. Rest of Asia Pacific Specialty Polyamides Market
- 7.4. Latin America Specialty Polyamides Market
 - 7.4.1. Brazil Specialty Polyamides Market
 - 7.4.2. Mexico Specialty Polyamides Market
 - 7.4.3. Rest of Latin America Specialty Polyamides Market
- 7.5. Middle East & Africa Specialty Polyamides Market
 - 7.5.1. Saudi Arabia Specialty Polyamides Market
 - 7.5.2. South Africa Specialty Polyamides Market
 - 7.5.3. Rest of Middle East & Africa Specialty Polyamides Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Key Company SWOT Analysis
 - 8.1.1. BASF SE
 - 8.1.2. Arkema S.A.
 - 8.1.3. DSM Engineering Plastics
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. BASF SE
 - 8.3.1.1. Key Information
 - 8.3.1.2. Overview
 - 8.3.1.3. Financial (Subject to Data Availability)
 - 8.3.1.4. Product Summary
 - 8.3.1.5. Market Strategies
 - 8.3.2. Arkema S.A.
 - 8.3.3. DSM Engineering Plastics
 - 8.3.4. Evonik Industries AG
 - 8.3.5. Solvay S.A.
 - 8.3.6. Ascend Performance Materials
 - 8.3.7. DuPont de Nemours, Inc.
 - 8.3.8. Toray Industries, Inc.
 - 8.3.9. SABIC
 - 8.3.10. Ube Industries, Ltd.

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

12. LIST OF TABLES

TABLE 1. Global Specialty Polyamides Market, Report Scope

TABLE 2. Global Specialty Polyamides Market Estimates & Forecasts by Region
2022-2032 (USD Million/Billion)

TABLE 3. Global Specialty Polyamides Market Estimates & Forecasts by Product
2022-2032 (USD Million/Billion)

TABLE 4. Global Specialty Polyamides Market Estimates & Forecasts by Application
2022-2032 (USD Million/Billion)

TABLE 5. Global Specialty Polyamides Market by Segment, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 6. Global Specialty Polyamides Market by Region, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 7. Global Specialty Polyamides Market by Segment, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 8. Global Specialty Polyamides Market by Region, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 9. Global Specialty Polyamides Market by Segment, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 10. Global Specialty Polyamides Market by Region, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 11. Global Specialty Polyamides Market by Segment, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 12. Global Specialty Polyamides Market by Region, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 13. Global Specialty Polyamides Market by Segment, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 14. Global Specialty Polyamides Market by Region, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 15. U.S. Specialty Polyamides Market Estimates & Forecasts, 2022-2032 (USD
Million/Billion)

TABLE 16. U.S. Specialty Polyamides Market Estimates & Forecasts by Segment
2022-2032 (USD Million/Billion)

TABLE 17. U.S. Specialty Polyamides Market Estimates & Forecasts by Segment
2022-2032 (USD Million/Billion)

TABLE 18. Canada Specialty Polyamides Market Estimates & Forecasts, 2022-2032
(USD Million/Billion)

TABLE 19. Canada Specialty Polyamides Market Estimates & Forecasts by Segment
2022-2032 (USD Million/Billion)

TABLE 20. Canada Specialty Polyamides Market Estimates & Forecasts by Segment
2022-2032 (USD Million/Billion)

.....

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.

12. LIST OF FIGURES

FIG 1. Global Specialty Polyamides Market, Research Methodology

FIG 2. Global Specialty Polyamides Market, Market Estimation Techniques

FIG 3. Global Market Size Estimates & Forecast Methods

FIG 4. Global Specialty Polyamides Market, Key Trends 2023

FIG 5. Global Specialty Polyamides Market, Growth Prospects 2022-2032

FIG 6. Global Specialty Polyamides Market, Porter's 5 Force Model

FIG 7. Global Specialty Polyamides Market, PESTEL Analysis

FIG 8. Global Specialty Polyamides Market, Value Chain Analysis

FIG 9. Global Specialty Polyamides Market by Segment, 2022 & 2032 (USD
Million/Billion)

FIG 10. Global Specialty Polyamides Market by Segment, 2022 & 2032 (USD
Million/Billion)

FIG 11. Global Specialty Polyamides Market by Segment, 2022 & 2032 (USD
Million/Billion)

FIG 12. Global Specialty Polyamides Market by Segment, 2022 & 2032 (USD
Million/Billion)

FIG 13. Global Specialty Polyamides Market by Segment, 2022 & 2032 (USD
Million/Billion)

FIG 14. Global Specialty Polyamides Market, Regional Snapshot 2022 & 2032

FIG 15. North America Specialty Polyamides Market 2022 & 2032 (USD Million/Billion)

FIG 16. Europe Specialty Polyamides Market 2022 & 2032 (USD Million/Billion)

FIG 17. Asia-Pacific Specialty Polyamides Market 2022 & 2032 (USD Million/Billion)

FIG 18. Latin America Specialty Polyamides Market 2022 & 2032 (USD Million/Billion)

FIG 19. Middle East & Africa Specialty Polyamides Market 2022 & 2032 (USD Million/Billion)

FIG 20. Global Specialty Polyamides Market, Company Market Share Analysis (2023)

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