

Nylon 6 Industry Research Report 2024

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Abstracts

Summary

Nylon 6, is a polymer developed by Paul Schlack at IG Farben to reproduce the properties of nylon 6.6 without violating the patent on its production. It was given the trademark Perlon® in 1952.

Nylon 6 is the most common commercial grade of nylon. Nylon 6 is tough, possessing high tensile strength. Smaller diameters and thinner thickness sheets are produced by an extrusion process, while larger diameter and thicker sheets are produced by a casting process.

A lower melting point of 215oC gives Nylon 6 a slightly lower maximum working temperature of 170oC short term.

Nylon 6 is used in a broad range of products requiring materials of high strength. It is widely used for gears, fittings, and bearings, in automotive industry for under-the-hood parts, and as a material for power tools housings. It can also be used in gun frames, such as those used by Glock, which are made with a composite of Nylon 6 and other polymers.

According to APO Research, The global Nylon 6 market was valued at US\$ million in 2023 and is anticipated to reach US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

North American market for Nylon 6 is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for Nylon 6 is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for Nylon 6 is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of Nylon 6 include , etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Nylon 6, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Nylon 6.

The report will help the Nylon 6 manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, sales volume, and average price for the overall market and the sub-segments across the different segments, by company, by Type, by Application, and by regions.

The Nylon 6 market size, estimations, and forecasts are provided in terms of sales volume (K MT) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Nylon 6 market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study

includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

BASF SE

Honeywell

Royal DSM N.V

Lanxess

Clariant Corporation

Unitika

DOMO Chemicals

Firestone Textiles Company

Grupa Azoty

LIBOLON

Polymeric Resources Corporation (PRC)

UBE

Ems-Grivory

Shakespeare

Nylon 6 segment by Type

Standard Nylon 6

Reinforced Nylon 6

Nylon 6 segment by Application

Automotive Industry

Electronics & Electrical

Packaging Industry

Others

Nylon 6 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

Turkey

Saudi Arabia

UAE

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

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 Nylon 6 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 Nylon 6 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 volume 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 Nylon 6.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term,

and long term.

Chapter 3: Detailed analysis of Nylon 6 manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5: Production/output, value of Nylon 6 by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of Nylon 6 in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7: 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 8: 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 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11: The main points and conclusions of the report.

Contents

1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 Nylon 6 by Type
 - 2.2.1 Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)
 - 2.2.2 Standard Nylon
 - 2.2.3 Reinforced Nylon
- 2.3 Nylon 6 by Application
 - 2.3.1 Market Value Comparison by Application (2019 VS 2023 VS 2030) & (US\$ Million)
 - 2.3.2 Automotive Industry
 - 2.3.3 Electronics & Electrical
 - 2.3.4 Packaging Industry
 - 2.3.5 Others
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global Nylon 6 Production Value Estimates and Forecasts (2019-2030)
 - 2.4.2 Global Nylon 6 Production Capacity Estimates and Forecasts (2019-2030)
 - 2.4.3 Global Nylon 6 Production Estimates and Forecasts (2019-2030)
 - 2.4.4 Global Nylon 6 Market Average Price (2019-2030)

3 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

- 3.1 Global Nylon 6 Production by Manufacturers (2019-2024)
- 3.2 Global Nylon 6 Production Value by Manufacturers (2019-2024)
- 3.3 Global Nylon 6 Average Price by Manufacturers (2019-2024)
- 3.4 Global Nylon 6 Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Nylon 6 Key Manufacturers, Manufacturing Sites & Headquarters

- 3.6 Global Nylon 6 Manufacturers, Product Type & Application
- 3.7 Global Nylon 6 Manufacturers, Date of Enter into This Industry
- 3.8 Global Nylon 6 Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 MANUFACTURERS PROFILED

4.1 BASF SE

- 4.1.1 BASF SE Nylon 6 Company Information
- 4.1.2 BASF SE Nylon 6 Business Overview
- 4.1.3 BASF SE Nylon 6 Production Capacity, Value and Gross Margin (2019-2024)
- 4.1.4 BASF SE Product Portfolio
- 4.1.5 BASF SE Recent Developments

4.2 Honeywell

- 4.2.1 Honeywell Nylon 6 Company Information
- 4.2.2 Honeywell Nylon 6 Business Overview
- 4.2.3 Honeywell Nylon 6 Production Capacity, Value and Gross Margin (2019-2024)
- 4.2.4 Honeywell Product Portfolio
- 4.2.5 Honeywell Recent Developments

4.3 Royal DSM N.V

- 4.3.1 Royal DSM N.V Nylon 6 Company Information
- 4.3.2 Royal DSM N.V Nylon 6 Business Overview
- 4.3.3 Royal DSM N.V Nylon 6 Production Capacity, Value and Gross Margin (2019-2024)
- 4.3.4 Royal DSM N.V Product Portfolio
- 4.3.5 Royal DSM N.V Recent Developments

4.4 Lanxess

- 4.4.1 Lanxess Nylon 6 Company Information
- 4.4.2 Lanxess Nylon 6 Business Overview
- 4.4.3 Lanxess Nylon 6 Production Capacity, Value and Gross Margin (2019-2024)
- 4.4.4 Lanxess Product Portfolio
- 4.4.5 Lanxess Recent Developments

4.5 Clariant Corporation

- 4.5.1 Clariant Corporation Nylon 6 Company Information
- 4.5.2 Clariant Corporation Nylon 6 Business Overview
- 4.5.3 Clariant Corporation Nylon 6 Production Capacity, Value and Gross Margin (2019-2024)
- 4.5.4 Clariant Corporation Product Portfolio
- 4.5.5 Clariant Corporation Recent Developments

4.6 Unitika

- 4.6.1 Unitika Nylon 6 Company Information
- 4.6.2 Unitika Nylon 6 Business Overview
- 4.6.3 Unitika Nylon 6 Production Capacity, Value and Gross Margin (2019-2024)
- 4.6.4 Unitika Product Portfolio
- 4.6.5 Unitika Recent Developments

4.7 DOMO Chemicals

- 4.7.1 DOMO Chemicals Nylon 6 Company Information
- 4.7.2 DOMO Chemicals Nylon 6 Business Overview
- 4.7.3 DOMO Chemicals Nylon 6 Production Capacity, Value and Gross Margin (2019-2024)
- 4.7.4 DOMO Chemicals Product Portfolio
- 4.7.5 DOMO Chemicals Recent Developments

4.8 Firestone Textiles Company

- 4.8.1 Firestone Textiles Company Nylon 6 Company Information
- 4.8.2 Firestone Textiles Company Nylon 6 Business Overview
- 4.8.3 Firestone Textiles Company Nylon 6 Production Capacity, Value and Gross Margin (2019-2024)
- 4.8.4 Firestone Textiles Company Product Portfolio
- 4.8.5 Firestone Textiles Company Recent Developments

4.9 Grupa Azoty

- 4.9.1 Grupa Azoty Nylon 6 Company Information
- 4.9.2 Grupa Azoty Nylon 6 Business Overview
- 4.9.3 Grupa Azoty Nylon 6 Production Capacity, Value and Gross Margin (2019-2024)
- 4.9.4 Grupa Azoty Product Portfolio
- 4.9.5 Grupa Azoty Recent Developments

4.10 LIBOLON

- 4.10.1 LIBOLON Nylon 6 Company Information
- 4.10.2 LIBOLON Nylon 6 Business Overview
- 4.10.3 LIBOLON Nylon 6 Production Capacity, Value and Gross Margin (2019-2024)
- 4.10.4 LIBOLON Product Portfolio
- 4.10.5 LIBOLON Recent Developments

4.11 Polymeric Resources Corporation (PRC)

- 4.11.1 Polymeric Resources Corporation (PRC) Nylon 6 Company Information
- 4.11.2 Polymeric Resources Corporation (PRC) Nylon 6 Business Overview
- 4.11.3 Polymeric Resources Corporation (PRC) Nylon 6 Production Capacity, Value and Gross Margin (2019-2024)
- 4.11.4 Polymeric Resources Corporation (PRC) Product Portfolio
- 4.11.5 Polymeric Resources Corporation (PRC) Recent Developments

4.12 UBE

- 4.12.1 UBE Nylon 6 Company Information
- 4.12.2 UBE Nylon 6 Business Overview
- 4.12.3 UBE Nylon 6 Production Capacity, Value and Gross Margin (2019-2024)
- 4.12.4 UBE Product Portfolio
- 4.12.5 UBE Recent Developments

4.13 Ems-Grivory

- 4.13.1 Ems-Grivory Nylon 6 Company Information
- 4.13.2 Ems-Grivory Nylon 6 Business Overview
- 4.13.3 Ems-Grivory Nylon 6 Production Capacity, Value and Gross Margin (2019-2024)
- 4.13.4 Ems-Grivory Product Portfolio
- 4.13.5 Ems-Grivory Recent Developments

4.14 Shakespeare

- 4.14.1 Shakespeare Nylon 6 Company Information
- 4.14.2 Shakespeare Nylon 6 Business Overview
- 4.14.3 Shakespeare Nylon 6 Production Capacity, Value and Gross Margin (2019-2024)
- 4.14.4 Shakespeare Product Portfolio
- 4.14.5 Shakespeare Recent Developments

5 GLOBAL NYLON 6 PRODUCTION BY REGION

5.1 Global Nylon 6 Production Estimates and Forecasts by Region: 2019 VS 2023 VS 2030

5.2 Global Nylon 6 Production by Region: 2019-2030

- 5.2.1 Global Nylon 6 Production by Region: 2019-2024
- 5.2.2 Global Nylon 6 Production Forecast by Region (2025-2030)

5.3 Global Nylon 6 Production Value Estimates and Forecasts by Region: 2019 VS 2023 VS 2030

5.4 Global Nylon 6 Production Value by Region: 2019-2030

- 5.4.1 Global Nylon 6 Production Value by Region: 2019-2024
- 5.4.2 Global Nylon 6 Production Value Forecast by Region (2025-2030)

5.5 Global Nylon 6 Market Price Analysis by Region (2019-2024)

5.6 Global Nylon 6 Production and Value, YOY Growth

- 5.6.1 North America Nylon 6 Production Value Estimates and Forecasts (2019-2030)
- 5.6.2 Europe Nylon 6 Production Value Estimates and Forecasts (2019-2030)
- 5.6.3 Japan Nylon 6 Production Value Estimates and Forecasts (2019-2030)
- 5.6.4 China Nylon 6 Production Value Estimates and Forecasts (2019-2030)

5.6.5 Taiwan (China) Nylon 6 Production Value Estimates and Forecasts (2019-2030)

6 GLOBAL NYLON 6 CONSUMPTION BY REGION

6.1 Global Nylon 6 Consumption Estimates and Forecasts by Region: 2019 VS 2023 VS 2030

6.2 Global Nylon 6 Consumption by Region (2019-2030)

6.2.1 Global Nylon 6 Consumption by Region: 2019-2030

6.2.2 Global Nylon 6 Forecasted Consumption by Region (2025-2030)

6.3 North America

6.3.1 North America Nylon 6 Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.3.2 North America Nylon 6 Consumption by Country (2019-2030)

6.3.3 U.S.

6.3.4 Canada

6.4 Europe

6.4.1 Europe Nylon 6 Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.4.2 Europe Nylon 6 Consumption by Country (2019-2030)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.5 Asia Pacific

6.5.1 Asia Pacific Nylon 6 Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.5.2 Asia Pacific Nylon 6 Consumption by Country (2019-2030)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 China Taiwan

6.5.7 Southeast Asia

6.5.8 India

6.5.9 Australia

6.6 Latin America, Middle East & Africa

6.6.1 Latin America, Middle East & Africa Nylon 6 Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.6.2 Latin America, Middle East & Africa Nylon 6 Consumption by Country (2019-2030)

- 6.6.3 Mexico
- 6.6.4 Brazil
- 6.6.5 Turkey
- 6.6.5 GCC Countries

7 SEGMENT BY TYPE

- 7.1 Global Nylon 6 Production by Type (2019-2030)
 - 7.1.1 Global Nylon 6 Production by Type (2019-2030) & (K MT)
 - 7.1.2 Global Nylon 6 Production Market Share by Type (2019-2030)
- 7.2 Global Nylon 6 Production Value by Type (2019-2030)
 - 7.2.1 Global Nylon 6 Production Value by Type (2019-2030) & (US\$ Million)
 - 7.2.2 Global Nylon 6 Production Value Market Share by Type (2019-2030)
- 7.3 Global Nylon 6 Price by Type (2019-2030)

8 SEGMENT BY APPLICATION

- 8.1 Global Nylon 6 Production by Application (2019-2030)
 - 8.1.1 Global Nylon 6 Production by Application (2019-2030) & (K MT)
 - 8.1.2 Global Nylon 6 Production by Application (2019-2030) & (K MT)
- 8.2 Global Nylon 6 Production Value by Application (2019-2030)
 - 8.2.1 Global Nylon 6 Production Value by Application (2019-2030) & (US\$ Million)
 - 8.2.2 Global Nylon 6 Production Value Market Share by Application (2019-2030)
- 8.3 Global Nylon 6 Price by Application (2019-2030)

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS OF THE MARKET

- 9.1 Nylon 6 Value Chain Analysis
 - 9.1.1 Nylon 6 Key Raw Materials
 - 9.1.2 Raw Materials Key Suppliers
 - 9.1.3 Nylon 6 Production Mode & Process
- 9.2 Nylon 6 Sales Channels Analysis
 - 9.2.1 Direct Comparison with Distribution Share
 - 9.2.2 Nylon 6 Distributors
 - 9.2.3 Nylon 6 Customers

10 GLOBAL NYLON 6 ANALYZING MARKET DYNAMICS

- 10.1 Nylon 6 Industry Trends

10.2 Nylon 6 Industry Drivers

10.3 Nylon 6 Industry Opportunities and Challenges

10.4 Nylon 6 Industry Restraints

11 REPORT CONCLUSION

12 DISCLAIMER

List Of Tables

LIST OF TABLES

Table 1. Secondary Sources

Table 2. Primary Sources

Table 3. Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)

Table 4. Market Value Comparison by Application (2019 VS 2023 VS 2030) & (US\$ Million)

Table 5. Global Nylon 6 Production by Manufacturers (K MT) & (2019-2024)

Table 6. Global Nylon 6 Production Market Share by Manufacturers

Table 7. Global Nylon 6 Production Value by Manufacturers (US\$ Million) & (2019-2024)

Table 8. Global Nylon 6 Production Value Market Share by Manufacturers (2019-2024)

Table 9. Global Nylon 6 Average Price (USD/MT) of Key Manufacturers (2019-2024)

Table 10. Global Nylon 6 Industry Manufacturers Ranking, 2022 VS 2023 VS 2024

Table 11. Global Nylon 6 Manufacturers, Product Type & Application

Table 12. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 13. Global Nylon 6 by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2023)

Table 14. Manufacturers Mergers & Acquisitions, Expansion Plans)

Table 15. BASF SE Nylon 6 Company Information

Table 16. BASF SE Business Overview

Table 17. BASF SE Nylon 6 Production Capacity (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 18. BASF SE Product Portfolio

Table 19. BASF SE Recent Developments

Table 20. Honeywell Nylon 6 Company Information

Table 21. Honeywell Business Overview

Table 22. Honeywell Nylon 6 Production Capacity (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 23. Honeywell Product Portfolio

Table 24. Honeywell Recent Developments

Table 25. Royal DSM N.V Nylon 6 Company Information

Table 26. Royal DSM N.V Business Overview

Table 27. Royal DSM N.V Nylon 6 Production Capacity (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 28. Royal DSM N.V Product Portfolio

Table 29. Royal DSM N.V Recent Developments

- Table 30. Lanxess Nylon 6 Company Information
- Table 31. Lanxess Business Overview
- Table 32. Lanxess Nylon 6 Production Capacity (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)
- Table 33. Lanxess Product Portfolio
- Table 34. Lanxess Recent Developments
- Table 35. Clariant Corporation Nylon 6 Company Information
- Table 36. Clariant Corporation Business Overview
- Table 37. Clariant Corporation Nylon 6 Production Capacity (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)
- Table 38. Clariant Corporation Product Portfolio
- Table 39. Clariant Corporation Recent Developments
- Table 40. Unitika Nylon 6 Company Information
- Table 41. Unitika Business Overview
- Table 42. Unitika Nylon 6 Production Capacity (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)
- Table 43. Unitika Product Portfolio
- Table 44. Unitika Recent Developments
- Table 45. DOMO Chemicals Nylon 6 Company Information
- Table 46. DOMO Chemicals Business Overview
- Table 47. DOMO Chemicals Nylon 6 Production Capacity (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)
- Table 48. DOMO Chemicals Product Portfolio
- Table 49. DOMO Chemicals Recent Developments
- Table 50. Firestone Textiles Company Nylon 6 Company Information
- Table 51. Firestone Textiles Company Business Overview
- Table 52. Firestone Textiles Company Nylon 6 Production Capacity (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)
- Table 53. Firestone Textiles Company Product Portfolio
- Table 54. Firestone Textiles Company Recent Developments
- Table 55. Grupa Azoty Nylon 6 Company Information
- Table 56. Grupa Azoty Business Overview
- Table 57. Grupa Azoty Nylon 6 Production Capacity (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)
- Table 58. Grupa Azoty Product Portfolio
- Table 59. Grupa Azoty Recent Developments
- Table 60. LIBOLON Nylon 6 Company Information
- Table 61. LIBOLON Business Overview
- Table 62. LIBOLON Nylon 6 Production Capacity (K MT), Value (US\$ Million), Price

(USD/MT) and Gross Margin (2019-2024)

Table 63. LIBOLON Product Portfolio

Table 64. LIBOLON Recent Developments

Table 65. Polymeric Resources Corporation (PRC) Nylon 6 Company Information

Table 66. Polymeric Resources Corporation (PRC) Business Overview

Table 67. Polymeric Resources Corporation (PRC) Nylon 6 Production Capacity (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 68. Polymeric Resources Corporation (PRC) Product Portfolio

Table 69. Polymeric Resources Corporation (PRC) Recent Developments

Table 70. UBE Nylon 6 Company Information

Table 71. UBE Business Overview

Table 72. UBE Nylon 6 Production Capacity (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 73. UBE Product Portfolio

Table 74. UBE Recent Developments

Table 75. Ems-Grivory Nylon 6 Company Information

Table 76. Ems-Grivory Business Overview

Table 77. Ems-Grivory Nylon 6 Production Capacity (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 78. Ems-Grivory Product Portfolio

Table 79. Ems-Grivory Recent Developments

Table 80. Shakespeare Nylon 6 Company Information

Table 81. Shakespeare Business Overview

Table 82. Shakespeare Nylon 6 Production Capacity (K MT), Value (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 83. Shakespeare Product Portfolio

Table 84. Shakespeare Recent Developments

Table 85. Global Nylon 6 Production Comparison by Region: 2019 VS 2023 VS 2030 (K MT)

Table 86. Global Nylon 6 Production by Region (2019-2024) & (K MT)

Table 87. Global Nylon 6 Production Market Share by Region (2019-2024)

Table 88. Global Nylon 6 Production Forecast by Region (2025-2030) & (K MT)

Table 89. Global Nylon 6 Production Market Share Forecast by Region (2025-2030)

Table 90. Global Nylon 6 Production Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)

Table 91. Global Nylon 6 Production Value by Region (2019-2024) & (US\$ Million)

Table 92. Global Nylon 6 Production Value Market Share by Region (2019-2024)

Table 93. Global Nylon 6 Production Value Forecast by Region (2025-2030) & (US\$ Million)

- Table 94. Global Nylon 6 Production Value Market Share Forecast by Region (2025-2030)
- Table 95. Global Nylon 6 Market Average Price (USD/MT) by Region (2019-2024)
- Table 96. Global Nylon 6 Consumption Comparison by Region: 2019 VS 2023 VS 2030 (K MT)
- Table 97. Global Nylon 6 Consumption by Region (2019-2024) & (K MT)
- Table 98. Global Nylon 6 Consumption Market Share by Region (2019-2024)
- Table 99. Global Nylon 6 Forecasted Consumption by Region (2025-2030) & (K MT)
- Table 100. Global Nylon 6 Forecasted Consumption Market Share by Region (2025-2030)
- Table 101. North America Nylon 6 Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (K MT)
- Table 102. North America Nylon 6 Consumption by Country (2019-2024) & (K MT)
- Table 103. North America Nylon 6 Consumption by Country (2025-2030) & (K MT)
- Table 104. Europe Nylon 6 Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (K MT)
- Table 105. Europe Nylon 6 Consumption by Country (2019-2024) & (K MT)
- Table 106. Europe Nylon 6 Consumption by Country (2025-2030) & (K MT)
- Table 107. Asia Pacific Nylon 6 Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (K MT)
- Table 108. Asia Pacific Nylon 6 Consumption by Country (2019-2024) & (K MT)
- Table 109. Asia Pacific Nylon 6 Consumption by Country (2025-2030) & (K MT)
- Table 110. Latin America, Middle East & Africa Nylon 6 Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (K MT)
- Table 111. Latin America, Middle East & Africa Nylon 6 Consumption by Country (2019-2024) & (K MT)
- Table 112. Latin America, Middle East & Africa Nylon 6 Consumption by Country (2025-2030) & (K MT)
- Table 113. Global Nylon 6 Production by Type (2019-2024) & (K MT)
- Table 114. Global Nylon 6 Production by Type (2025-2030) & (K MT)
- Table 115. Global Nylon 6 Production Market Share by Type (2019-2024)
- Table 116. Global Nylon 6 Production Market Share by Type (2025-2030)
- Table 117. Global Nylon 6 Production Value by Type (2019-2024) & (US\$ Million)
- Table 118. Global Nylon 6 Production Value by Type (2025-2030) & (US\$ Million)
- Table 119. Global Nylon 6 Production Value Market Share by Type (2019-2024)
- Table 120. Global Nylon 6 Production Value Market Share by Type (2025-2030)
- Table 121. Global Nylon 6 Price by Type (2019-2024) & (USD/MT)
- Table 122. Global Nylon 6 Price by Type (2025-2030) & (USD/MT)
- Table 123. Global Nylon 6 Production by Application (2019-2024) & (K MT)

- Table 124. Global Nylon 6 Production by Application (2025-2030) & (K MT)
- Table 125. Global Nylon 6 Production Market Share by Application (2019-2024)
- Table 126. Global Nylon 6 Production Market Share by Application (2025-2030)
- Table 127. Global Nylon 6 Production Value by Application (2019-2024) & (US\$ Million)
- Table 128. Global Nylon 6 Production Value by Application (2025-2030) & (US\$ Million)
- Table 129. Global Nylon 6 Production Value Market Share by Application (2019-2024)
- Table 130. Global Nylon 6 Production Value Market Share by Application (2025-2030)
- Table 131. Global Nylon 6 Price by Application (2019-2024) & (USD/MT)
- Table 132. Global Nylon 6 Price by Application (2025-2030) & (USD/MT)
- Table 133. Key Raw Materials
- Table 134. Raw Materials Key Suppliers
- Table 135. Nylon 6 Distributors List
- Table 136. Nylon 6 Customers List
- Table 137. Nylon 6 Industry Trends
- Table 138. Nylon 6 Industry Drivers
- Table 139. Nylon 6 Industry Restraints
- Table 140. Authors List of This Report

List Of Figures

LIST OF FIGURES

- Figure 1. Research Methodology
- Figure 2. Research Process
- Figure 3. Key Executives Interviewed
- Figure 4. Nylon 6 Product Picture
- Figure 5. Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)
- Figure 6. Standard Nylon 6 Product Picture
- Figure 7. Reinforced Nylon 6 Product Picture
- Figure 8. Automotive Industry Product Picture
- Figure 9. Electronics & Electrical Product Picture
- Figure 10. Packaging Industry Product Picture
- Figure 11. Others Product Picture
- Figure 12. Global Nylon 6 Production Value (US\$ Million), 2019 VS 2023 VS 2030
- Figure 13. Global Nylon 6 Production Value (2019-2030) & (US\$ Million)
- Figure 14. Global Nylon 6 Production Capacity (2019-2030) & (K MT)
- Figure 15. Global Nylon 6 Production (2019-2030) & (K MT)
- Figure 16. Global Nylon 6 Average Price (USD/MT) & (2019-2030)
- Figure 17. Global Nylon 6 Key Manufacturers, Manufacturing Sites & Headquarters
- Figure 18. Global Nylon 6 Manufacturers, Date of Enter into This Industry
- Figure 19. Global Top 5 and 10 Nylon 6 Players Market Share by Production Value in 2023
- Figure 20. Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2019 VS 2023
- Figure 21. Global Nylon 6 Production Comparison by Region: 2019 VS 2023 VS 2030 (K MT)
- Figure 22. Global Nylon 6 Production Market Share by Region: 2019 VS 2023 VS 2030
- Figure 23. Global Nylon 6 Production Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)
- Figure 24. Global Nylon 6 Production Value Market Share by Region: 2019 VS 2023 VS 2030
- Figure 25. North America Nylon 6 Production Value (US\$ Million) Growth Rate (2019-2030)
- Figure 26. Europe Nylon 6 Production Value (US\$ Million) Growth Rate (2019-2030)
- Figure 27. Japan Nylon 6 Production Value (US\$ Million) Growth Rate (2019-2030)
- Figure 28. China Nylon 6 Production Value (US\$ Million) Growth Rate (2019-2030)
- Figure 29. Taiwan (China) Nylon 6 Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 30. Global Nylon 6 Consumption Comparison by Region: 2019 VS 2023 VS 2030 (K MT)

Figure 31. Global Nylon 6 Consumption Market Share by Region: 2019 VS 2023 VS 2030

Figure 32. North America Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 33. North America Nylon 6 Consumption Market Share by Country (2019-2030)

Figure 34. United States Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 35. Canada Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 36. Europe Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 37. Europe Nylon 6 Consumption Market Share by Country (2019-2030)

Figure 38. Germany Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 39. France Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 40. U.K. Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 41. Italy Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 42. Netherlands Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 43. Asia Pacific Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 44. Asia Pacific Nylon 6 Consumption Market Share by Country (2019-2030)

Figure 45. China Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 46. Japan Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 47. South Korea Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 48. China Taiwan Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 49. Southeast Asia Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 50. India Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 51. Australia Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 52. Latin America, Middle East & Africa Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 53. Latin America, Middle East & Africa Nylon 6 Consumption Market Share by Country (2019-2030)

Figure 54. Mexico Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 55. Brazil Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 56. Turkey Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 57. GCC Countries Nylon 6 Consumption and Growth Rate (2019-2030) & (K MT)

Figure 58. Global Nylon 6 Production Market Share by Type (2019-2030)

Figure 59. Global Nylon 6 Production Value Market Share by Type (2019-2030)

Figure 60. Global Nylon 6 Price (USD/MT) by Type (2019-2030)

Figure 61. Global Nylon 6 Production Market Share by Application (2019-2030)

Figure 62. Global Nylon 6 Production Value Market Share by Application (2019-2030)

Figure 63. Global Nylon 6 Price (USD/MT) by Application (2019-2030)

Figure 64. Nylon 6 Value Chain

Figure 65. Nylon 6 Production Mode & Process

Figure 66. Direct Comparison with Distribution Share

Figure 67. Distributors Profiles

Figure 68. Nylon 6 Industry Opportunities and Challenges

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