

Glass Filled Nylon Market by Type (Polyamide 6, Polyamide 66), End Use Industry (Automotive, Electrical & Electronics, Industrial), Manufacturing Process (Injection Molding, Extrusion Molding), Glass Filling and Region Global Forecast to 2024

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Abstracts

The glass filled nylon market is projected to register a CAGR of 5.8%, in terms of value, between 2019 and 2024.

The glass filled nylon market size is estimated to grow from USD 8.2 billion in 2019 to USD 10.8 billion by 2024, at a CAGR of 5.8% between 2019 and 2024. Glass filled nylon is used in different industries such as automotive, industrial, and electrical & electronics due to their superior properties such as high dimensional stability, high creep resistance, high strength, rigidity, and chemical resistance. However, the shortage of polyamide 66 can hinder the growth of the glass filled nylon market.

‘Polyamide 6 based glass filled nylon is projected to register a higher CAGR, in terms of value and volume, between 2019 and 2024.’

Polyamide 6 is manufactured by a continuous process, preferably hydrolytic ring opening polymerization of caprolactam, which is made up of six carbons at 482 °F to 518 °F. The 6 stands for the number of carbon atoms in a single amino residue, indicating repeated units. It is a semi-crystalline polyamide that has high tensile strength and elasticity. It also has a strong inter-chain bond of amide group polarity and hence exhibits superior properties such as rigidity, thermal resistance, and toughness. Glass filling in polyamide 6 further enhances the properties of polyamide 6. These factors make glass filled polyamide 6 widely used in end-use industries such as automotive, electrical & electronics, and industrial.

The automotive end-use industry segment is expected to register the highest CAGR between 2019 and 2024.

The automotive end-use industry is one of the prime consumers of glass filled nylon, globally, and is expected to witness the fastest growth during the forecast period. The use of glass filled nylon in the automotive industry dates back to 1950. Glass filled nylon is primarily used in the automotive industry for weight reduction measure. In new generation vehicles, the strength per unit weight is very critical and hence glass filled nylon is used in applications such as automotive engine covers, parts inside the engine compartment, and under the bonnet of cars.

The glass filled nylon market in APAC is projected to register the highest CAGR, in terms of value and volume, between 2019 and 2024.

The glass filled market in APAC is projected to register the highest CAGR, in terms of value and volume, during the forecast period. This growth can be attributed to the increasing demand for glass filled nylon from the automotive, industrial, and electrical & electronics end-use industries. The booming electrical & electronics and construction industries are also responsible for the growth of the glass filled nylon market in the region. China is one of the key consumers of glass filled nylon in APAC.

Breakdown of profiles of primary interviews for the report on the glass filled nylon market:

By Company Type: Tier 1 - 37%, Tier 2 - 42%, and Tier 3 - 21%

By Designation: C level - 30%, Director level - 25%, and Others - 45%

By Region: North America - 20%, Europe - 27%, APAC -40%, MEA - 7%, and Latin America - 6%

The glass filled nylon market comprises major manufacturers such as BASF SE (Germany), Asahi Kasei Corporation (Japan), Lanxess (Germany), DowDuPont Inc. (US), Royal DSM N.V. (Netherlands), Ensinger GmbH (Germany), Arkema (France), SABIC (Saudi Arabia), Evonik (Germany), and Ascend Performance Materials (US). The study includes an in-depth competitive analysis of these key players in the glass filled nylon market, with their company profiles, recent developments, and key market

strategies.

Research Coverage

The market study covers the glass filled nylon market across segments. It aims at estimating the market size and the growth potential of this market across different segments, such as type, end-use industry, manufacturing process, glass filling, and region. The study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies.

Key Benefits of Buying the Report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall glass filled nylon market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provide them with information on key market drivers, restraints, challenges, and opportunities.

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
 - 1.3.1 MARKET SEGMENTATION
 - 1.3.2 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 UNIT CONSIDERED
- 1.6 LIMITATIONS
- 1.7 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.1.1 Key data from secondary sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key data from primary sources
 - 2.1.2.2 Key industry insights
 - 2.1.2.3 Breakdown of primary interviews
- 2.2 MARKET SIZE ESTIMATION
 - 2.2.1 BOTTOM-UP APPROACH
 - 2.2.2 TOP-DOWN APPROACH
- 2.3 DATA TRIANGULATION
- 2.4 ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES IN THE GLASS FILLED NYLON MARKET
- 4.2 GLASS FILLED NYLON MARKET, BY TYPE
- 4.3 GLASS FILLED NYLON MARKET, BY MANUFACTURING PROCESS
- 4.4 GLASS FILLED NYLON MARKET, BY GLASS FILLING
- 4.5 GLASS FILLED NYLON MARKET, BY END-USE INDUSTRY AND REGION
- 4.6 GLASS FILLED NYLON MARKET, BY COUNTRY

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Superior properties offered by glass filled nylon

5.2.1.2 Increase in demand for glass filled nylon from the automotive industry

5.2.2 RESTRAINTS

5.2.2.1 Shortage of polyamide 66

5.2.3 OPPORTUNITIES

5.2.3.1 Growing usage in the electrical & electronics application

5.2.4 CHALLENGES

5.2.4.1 Increasing competition from substitutes

5.3 PORTER'S FIVE FORCES ANALYSIS

5.3.1 THREAT OF NEW ENTRANTS

5.3.2 THREAT OF SUBSTITUTES

5.3.3 BARGAINING POWER OF SUPPLIERS

5.3.4 BARGAINING POWER OF BUYERS

5.3.5 INTENSITY OF COMPETITIVE RIVALRY

5.4 MACROECONOMIC INDICATORS

5.4.1 INTRODUCTION

5.4.2 TREND AND FORECAST OF GDP

5.4.3 TRENDS OF THE AUTOMOTIVE INDUSTRY

6 GLASS FILLED NYLON MARKET, BY TYPE

6.1 INTRODUCTION

6.2 POLYAMIDE 6

6.2.1 VARIOUS SUPERIOR PROPERTIES OF POLYAMIDE 6 MAKE IT THE MOST WIDELY USED GLASS FILLED NYLON

6.3 POLYAMIDE 66

6.3.1 HIGH MECHANICAL STRENGTH AND CREEP RESISTANCE ARE THE PRIME PROPERTIES OF POLYAMIDE 66 BASED GLASS FILLED NYLON

6.4 OTHERS

7 GLASS FILLED NYLON MARKET, BY END-USE INDUSTRY

7.1 INTRODUCTION

7.2 AUTOMOTIVE

7.2.1 THE GROWING DEMAND FOR LIGHTWEIGHT BODY COMPONENTS AND EFFICIENT FUEL SYSTEMS IN THE AUTOMOTIVE INDUSTRY IS LIKELY TO INCREASE THE DEMAND FOR GLASS FILLED NYLON

7.3 ELECTRICAL & ELECTRONICS

7.3.1 THE GROWING ELECTRICAL & ELECTRONICS INDUSTRY OF APAC IS DRIVING THE DEMAND FOR GLASS FILLED NYLON

7.4 INDUSTRIAL

7.4.1 THE GROWING INDUSTRIAL SECTOR OF APAC IS AUGMENTING THE GLASS FILLED NYLON MARKET

7.5 OTHERS

8 GLASS FILLED NYLON MARKET, BY MANUFACTURING PROCESS

8.1 INTRODUCTION

8.2 INJECTION MOLDING

8.2.1 EASY OF MANUFACTURING GLASS FILLED NYLON THROUGH THE INJECTION MOLDING PROCESS IS EXPECTED TO FUEL THIS SEGMENT

8.3 EXTRUSION MOLDING

8.3.1 GLASS FILLED NYLON MANUFACTURED THROUGH THIS PROCESS PROVIDES GOOD MECHANICAL STRENGTH, HIGH TENSILE STRENGTH, AND TEAR STRENGTH

9 GLASS FILLED NYLON MARKET, BY GLASS FILLING

9.1 INTRODUCTION

9.2 10% GLASS FILLED

9.2.1 10% GLASS FILLED NYLON IS PREFERRED IN LESS DEMANDING INDUSTRIAL APPLICATION DUE TO ITS MODERATE STRENGTH AND RIGIDITY

9.3 20% GLASS FILLED

9.3.1 LARGE NUMBER OF MANUFACTURERS IN CHINA ARE DRIVING THE 20% GLASS FILLED NYLON MARKET IN APAC

9.4 30% GLASS FILLED NYLON

9.4.1 OPTIMUM MIX OF PROPERTIES OF BOTH POLYAMIDE RESIN AND GLASS FIBER, MAKES 30% GLASS FILLED NYLON SUITABLE FOR USE IN THE AUTOMOTIVE INDUSTRY

9.5 > 30% GLASS FILLED

9.5.1 EXCEPTIONAL STRENGTH AND RIGIDITY OF >30% GLASS FILLED NYLON IS DRIVING THE MARKET

10 GLASS FILLED NYLON MARKET, BY REGION

10.1 INTRODUCTION

10.2 APAC

10.2.1 CHINA

10.2.1.1 The presence of a number of glass filled nylon manufacturers propels the market growth

10.2.2 INDIA

10.2.2.1 The increasing applications of glass filled nylon in the industrial and electrical & electronics end-use segments are driving the market

10.2.3 JAPAN

10.2.3.1 The presence of major composite manufacturers in the country contributes to the market growth

10.3 EUROPE

10.3.1 GERMANY

10.3.1.1 Germany is the leading consumer of glass filled nylon in Europe

10.3.2 ITALY

10.3.2.1 Growing demand for high-strength glass filled nylon is a governing factor for the market

10.3.3 FRANCE

10.3.3.1 The automotive and electrical & electronics industries generate a high demand for glass filled nylon

10.3.4 UK

10.3.4.1 The growing automotive industry of the UK is propelling the growth of the glass filled nylon market

10.4 NORTH AMERICA

10.4.1 US

10.4.1.1 Increasing demand from the automotive industry is propelling the US market

10.4.2 CANADA

10.4.2.1 The country's automotive industry plays a vital role in positively influencing the market

10.5 MEA

10.5.1 UAE

10.5.1.1 The UAE is a growing market for glass filled nylon due to the booming industrial sector

10.5.2 SAUDI ARABIA

10.5.2.1 Saudi Arabia is a promising market for glass filled nylon due to the booming construction industry

10.6 LATIN AMERICA

10.6.1 BRAZIL

10.6.1.1 Growth in the automotive and aerospace industries is bolstering the growth of the glass filled nylon market

10.6.2 MEXICO

10.6.2.1 Increasing demand for high strength glass filled nylon to boost the market

11 COMPETITIVE LANDSCAPE

11.1 INTRODUCTION

11.2 COMPETITIVE LEADERSHIP MAPPING

11.2.1 TERMINOLOGY/NOMENCLATURE

11.2.1.1 Dynamic Differentiators

11.2.1.2 Innovators

11.2.1.3 Visionary Leaders

11.2.1.4 Emerging Companies

11.2.2 STRENGTH OF PRODUCT PORTFOLIO

11.2.3 BUSINESS STRATEGY EXCELLENCE

11.3 MARKET SHARE ANALYSIS

11.4 COMPETITIVE SCENARIO

11.4.1 NEW PRODUCT LAUNCH

11.4.2 ACQUISITION

12 COMPANY PROFILES

(Business Overview, Products Offered, Recent Developments, SWOT Analysis, MnM View)*

12.1 BASF SE

12.2 ASAHI KASEI CORPORATION

12.3 LANXESS

12.4 DOWDUPONT INC.

12.5 ROYAL DSM N.V.

12.6 ENSINGER GMBH

12.7 ARKEMA

12.8 SABIC

12.9 EVONIK INDUSTRIES

12.10 ASCEND PERFORMANCE MATERIALS

12.11 OTHER COMPANIES

12.11.1 FUKUANG INTERNATIONAL (HK) LIMITED

- 12.11.2 STEKLONIT JSC
- 12.11.3 EMCO INDUSTRIAL PLASTICS, INC.
- 12.11.4 NYLATECH
- 12.11.5 RTP COMPANY
- 12.11.6 AKRO-PLASTIC GMBH
- 12.11.7 RADICI GROUP
- 12.11.8 DOMO CHEMICALS
- 12.11.9 EMS GRIVORY
- 12.11.10 QUADRANT

*Details on Business Overview, Products Offered, Recent Developments, SWOT Analysis, MnM View might not be captured in case of unlisted companies.

13 APPENDIX

- 13.1 DISCUSSION GUIDE
- 13.2 KNOWLEDGE STORE: MARKETSANDMARKETS SUBSCRIPTION PORTAL
- 13.3 AVAILABLE CUSTOMIZATIONS
- 13.4 RELATED REPORTS
- 13.5 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

TABLE 1 TREND AND FORECAST OF GDP, BY COUNTRY, 2017–2022 (USD BILLION)

TABLE 2 AUTOMOTIVE PRODUCTION, BY COUNTRY, 2011–2017 (MILLION UNITS)

TABLE 3 GLASS FILLED NYLON MARKET SIZE, BY TYPE, 2017–2024 (KILOTON)

TABLE 4 GLASS FILLED NYLON MARKET SIZE, BY TYPE, 2017–2024 (USD MILLION)

TABLE 5 POLYAMIDE 6 BASED GLASS FILLED NYLON MARKET SIZE, BY REGION, 2017–2024 (KILOTON)

TABLE 6 POLYAMIDE 6-BASED GLASS FILLED NYLON MARKET SIZE, BY REGION, 2017–2024 (USD MILLION)

TABLE 7 POLYAMIDE 66-BASED GLASS FILLED NYLON MARKET SIZE, BY REGION, 2017–2024 (KILOTON)

TABLE 8 POLYAMIDE 66 BASED GLASS FILLED NYLON MARKET SIZE, BY REGION, 2017–2024 (USD MILLION)

TABLE 9 OTHER POLYAMIDE BASED GLASS FILLED NYLON MARKET SIZE, BY REGION, 2017–2024 (KILOTON)

TABLE 10 OTHER POLYAMIDE BASED GLASS FILLED NYLON MARKET SIZE, BY REGION, 2017–2024 (USD MILLION)

TABLE 11 GLASS FILLED NYLON MARKET SIZE, BY END-USE INDUSTRY, 2017–2024 (KILOTON)

TABLE 12 GLASS FILLED NYLON MARKET SIZE, BY END-USE INDUSTRY, 2017–2024 (USD MILLION)

TABLE 13 GLASS FILLED NYLON MARKET SIZE IN AUTOMOTIVE, BY REGION, 2017–2024 (KILOTON)

TABLE 14 GLASS FILLED NYLON MARKET SIZE IN AUTOMOTIVE, BY REGION, 2017–2024 (USD MILLION)

TABLE 15 GLASS FILLED NYLON MARKET SIZE IN ELECTRICAL & ELECTRONICS, BY REGION, 2017–2024 (KILOTON)

TABLE 16 GLASS FILLED NYLON MARKET SIZE IN ELECTRICAL & ELECTRONICS, BY REGION, 2017–2024 (USD MILLION)

TABLE 17 GLASS FILLED NYLON MARKET SIZE IN INDUSTRIAL, BY REGION, 2017–2024 (KILOTON)

TABLE 18 GLASS FILLED NYLON MARKET SIZE IN INDUSTRIAL, BY REGION, 2017–2024 (USD MILLION)

TABLE 19 GLASS FILLED NYLON MARKET SIZE IN OTHER END-USE INDUSTRIES,

BY REGION, 2017–2024 (KILOTON)

TABLE 20 GLASS FILLED NYLON MARKET SIZE IN OTHER END-USE INDUSTRIES,
BY REGION, 2017–2024 (USD MILLION)

TABLE 21 GLASS FILLED NYLON MARKET SIZE, BY MANUFACTURING PROCESS,
2017–2024 (KILOTON)

TABLE 22 GLASS FILLED NYLON MARKET SIZE, BY MANUFACTURING PROCESS,
2017–2024 (USD MILLION)

TABLE 23 INJECTION MOLDED GLASS FILLED NYLON MARKET SIZE, BY
REGION, 2017–2024 (KILOTON)

TABLE 24 INJECTION MOLDED GLASS FILLED NYLON MARKET SIZE, BY
REGION, 2017–2024 (USD MILLION)

TABLE 25 EXTRUSION MOLDED GLASS FILLED NYLON MARKET SIZE, BY
REGION, 2017–2024 (KILOTON)

TABLE 26 EXTRUSION MOLDED GLASS FILLED NYLON MARKET SIZE, BY
REGION, 2017–2024 (USD MILLION)

TABLE 27 GLASS FILLED NYLON MARKET SIZE, BY GLASS FILLING, 2017–2024
(KILOTON)

TABLE 28 GLASS FILLED NYLON MARKET SIZE, BY GLASS FILLING, 2017–2024
(USD MILLION)

TABLE 29 10% GLASS FILLED NYLON MARKET SIZE, BY REGION, 2017–2024
(KILOTON)

TABLE 30 10% GLASS FILLED NYLON MARKET SIZE, BY REGION, 2017–2024
(USD MILLION)

TABLE 31 20% GLASS FILLED NYLON MARKET SIZE, BY REGION, 2017–2024
(KILOTON)

TABLE 32 20% GLASS FILLED NYLON MARKET SIZE, BY REGION, 2017–2024
(USD MILLION)

TABLE 33 30% GLASS FILLED NYLON MARKET SIZE, BY REGION, 2017–2024
(KILOTON)

TABLE 34 30% GLASS FILLED NYLON MARKET SIZE, BY REGION, 2017–2024
(USD MILLION)

TABLE 35 > 30% GLASS FILLED NYLON MARKET SIZE, BY REGION, 2017–2024
(KILOTON)

TABLE 36 > 30% GLASS FILLED NYLON MARKET SIZE, BY REGION, 2017–2024
(USD MILLION)

TABLE 37 GLASS FILLED NYLON MARKET SIZE, BY REGION, 2017–2024
(KILOTON)

TABLE 38 GLASS FILLED NYLON MARKET SIZE, BY REGION, 2017–2024 (USD
MILLION)

TABLE 39 APAC: GLASS FILLED NYLON MARKET SIZE, BY END-USE INDUSTRY, 2017–2024 (KILOTON)

TABLE 40 APAC: GLASS FILLED NYLON MARKET SIZE, BY END-USE INDUSTRY, 2017–2024 (USD MILLION)

TABLE 41 APAC: GLASS FILLED NYLON MARKET SIZE, BY TYPE, 2017–2024 (KILOTON)

TABLE 42 APAC: GLASS FILLED NYLON MARKET SIZE, BY TYPE, 2017–2024 (USD MILLION)

TABLE 43 APAC: GLASS FILLED NYLON MARKET SIZE, BY MANUFACTURING PROCESS, 2017–2024 (KILOTON)

TABLE 44 APAC: GLASS FILLED NYLON MARKET SIZE, BY MANUFACTURING PROCESS, 2017–2024 (USD MILLION)

TABLE 45 APAC: GLASS FILLED NYLON MARKET SIZE, BY GLASS FILLING, 2017–2024 (KILOTON)

TABLE 46 APAC: GLASS FILLED NYLON MARKET SIZE, BY GLASS FILLING, 2017–2024 (USD MILLION)

TABLE 47 APAC: GLASS FILLED NYLON MARKET SIZE, BY COUNTRY, 2017–2024 (KILOTON)

TABLE 48 APAC: GLASS FILLED NYLON MARKET SIZE, BY COUNTRY, 2017–2024 (USD MILLION)

TABLE 49 EUROPE: GLASS FILLED NYLON MARKET SIZE, BY END-USE INDUSTRY, 2017–2024 (KILOTON)

TABLE 50 EUROPE: GLASS FILLED NYLON MARKET SIZE, BY END-USE INDUSTRY, 2017–2024 (USD MILLION)

TABLE 51 EUROPE: GLASS FILLED NYLON MARKET SIZE, BY TYPE, 2017–2024 (KILOTON)

TABLE 52 EUROPE: GLASS FILLED NYLON MARKET SIZE, BY TYPE, 2017–2024 (USD MILLION)

TABLE 53 EUROPE: GLASS FILLED NYLON MARKET SIZE, BY MANUFACTURING PROCESS, 2017–2024 (KILOTON)

TABLE 54 EUROPE: GLASS FILLED NYLON MARKET SIZE, BY MANUFACTURING PROCESS, 2017–2024 (USD MILLION)

TABLE 55 EUROPE: GLASS FILLED NYLON MARKET SIZE, BY GLASS FILLING, 2017–2024 (KILOTON)

TABLE 56 EUROPE: GLASS FILLED NYLON MARKET SIZE, BY GLASS FILLING, 2017–2024 (USD MILLION)

TABLE 57 EUROPE: GLASS FILLED NYLON MARKET SIZE, BY COUNTRY, 2017–2024 (KILOTON)

TABLE 58 EUROPE: GLASS FILLED NYLON MARKET SIZE, BY COUNTRY,

2017–2024 (USD MILLION)

TABLE 59 NORTH AMERICA: GLASS FILLED NYLON MARKET SIZE, BY END-USE INDUSTRY, 2017–2024 (KILOTON)

TABLE 60 NORTH AMERICA: GLASS FILLED NYLON MARKET SIZE, BY END-USE INDUSTRY, 2017–2024 (USD MILLION)

TABLE 61 NORTH AMERICA: GLASS FILLED NYLON MARKET SIZE, BY TYPE, 2017–2024 (KILOTON)

TABLE 62 NORTH AMERICA: GLASS FILLED NYLON MARKET SIZE, BY TYPE, 2017–2024 (USD MILLION)

TABLE 63 NORTH AMERICA: GLASS FILLED NYLON MARKET SIZE, BY MANUFACTURING PROCESS, 2017–2024 (KILOTON)

TABLE 64 NORTH AMERICA: GLASS FILLED NYLON MARKET SIZE, BY MANUFACTURING PROCESS, 2017–2024 (USD MILLION)

TABLE 65 NORTH AMERICA: GLASS FILLED NYLON MARKET SIZE, BY GLASS FILLING, 2017–2024 (KILOTON)

TABLE 66 NORTH AMERICA: GLASS FILLED NYLON MARKET SIZE, BY GLASS FILLING, 2017–2024 (USD MILLION)

TABLE 67 NORTH AMERICA: GLASS FILLED NYLON MARKET SIZE, BY COUNTRY, 2017–2024 (KILOTON)

TABLE 68 NORTH AMERICA: GLASS FILLED NYLON MARKET SIZE, BY COUNTRY, 2017–2024 (USD MILLION)

TABLE 69 MEA: GLASS FILLED NYLON MARKET SIZE, BY END-USE INDUSTRY, 2017–2024 (KILOTON)

TABLE 70 MEA: GLASS FILLED NYLON MARKET SIZE, BY END-USE INDUSTRY, 2017–2024 (USD MILLION)

TABLE 71 MEA: GLASS FILLED NYLON MARKET SIZE, BY TYPE, 2017–2024 (KILOTON)

TABLE 72 MEA: GLASS FILLED NYLON MARKET SIZE, BY TYPE, 2017–2024 (USD MILLION)

TABLE 73 MEA: GLASS FILLED NYLON MARKET SIZE, BY MANUFACTURING PROCESS, 2017–2024 (KILOTON)

TABLE 74 MEA: GLASS FILLED NYLON MARKET SIZE, BY MANUFACTURING PROCESS, 2017–2024 (USD MILLION)

TABLE 75 MEA: GLASS FILLED NYLON MARKET SIZE, BY GLASS FILLING, 2017–2024 (KILOTON)

TABLE 76 MEA: GLASS FILLED NYLON MARKET SIZE, BY GLASS FILLING, 2017–2024 (USD MILLION)

TABLE 77 MEA: GLASS FILLED NYLON MARKET SIZE, BY COUNTRY, 2017–2024 (KILOTON)

TABLE 78 MEA: GLASS FILLED NYLON MARKET SIZE, BY COUNTRY, 2017–2024 (USD MILLION)

TABLE 79 LATIN AMERICA: GLASS FILLED NYLON MARKET SIZE, BY END-USE INDUSTRY, 2017–2024 (KILOTON)

TABLE 80 LATIN AMERICA: GLASS FILLED NYLON MARKET SIZE, BY END-USE INDUSTRY, 2017–2024 (USD MILLION)

TABLE 81 LATIN AMERICA: GLASS FILLED NYLON MARKET SIZE, BY TYPE, 2017–2024 (KILOTON)

TABLE 82 LATIN AMERICA: GLASS FILLED NYLON MARKET SIZE, BY TYPE, 2017–2024 (USD MILLION)

TABLE 83 LATIN AMERICA: GLASS FILLED NYLON MARKET SIZE, BY MANUFACTURING PROCESS, 2017–2024 (KILOTON)

TABLE 84 LATIN AMERICA: GLASS FILLED NYLON MARKET SIZE, BY MANUFACTURING PROCESS, 2017–2024 (USD MILLION)

TABLE 85 LATIN AMERICA: GLASS FILLED NYLON MARKET SIZE, BY GLASS FILLING, 2017–2024 (KILOTON)

TABLE 86 LATIN AMERICA: GLASS FILLED NYLON MARKET SIZE, BY GLASS FILLING, 2017–2024 (USD MILLION)

TABLE 87 LATIN AMERICA: GLASS FILLED NYLON MARKET SIZE, BY COUNTRY, 2017–2024 (KILOTON)

TABLE 88 LATIN AMERICA: GLASS FILLED NYLON MARKET SIZE, BY COUNTRY, 2017–2024 (USD MILLION)

TABLE 89 NEW PRODUCT LAUNCH, 2014–2019

TABLE 90 ACQUISITION, 2014–2019

List Of Figures

LIST OF FIGURES

FIGURE 1 GLASS FILLED NYLON MARKET: RESEARCH DESIGN

FIGURE 2 GLASS FILLED NYLON MARKET: BOTTOM-UP APPROACH

FIGURE 3 GLASS FILLED NYLON MARKET: TOP-DOWN APPROACH

FIGURE 4 GLASS FILLED NYLON MARKET: DATA TRIANGULATION

FIGURE 5 POLYAMIDE 6 WAS THE LARGER TYPE OF GLASS FILLED NYLON

FIGURE 6 AUTOMOTIVE END-USE INDUSTRY SEGMENT ACCOUNTED FOR THE MAXIMUM SHARE IN THE GLASS FILLED NYLON MARKET IN 2018

FIGURE 7 INJECTION MOLDING SEGMENT TO REGISTER THE HIGHEST CAGR IN THE MARKET

FIGURE 8 30% GLASS FILLED NYLON SEGMENT TO REGISTER THE HIGHEST GROWTH RATE

FIGURE 9 CHINA IS EXPECTED TO REGISTER THE HIGHEST CAGR IN THE MARKET

FIGURE 10 APAC TO WITNESS THE FASTEST-GROWTH IN THE GLASS FILLED NYLON MARKET

FIGURE 11 GROWTH IN THE AUTOMOTIVE INDUSTRY IS BOLSTERING THE GLASS FILLED NYLON MARKET

FIGURE 12 POLYAMIDE 6 TO BE THE DOMINANT TYPE SEGMENT OF THE MARKET

FIGURE 13 INJECTION MOLDING TO BE THE LEADING MANUFACTURING PROCESS OF GLASS FILLED NYLON

FIGURE 14 30% GLASS FILLED SEGMENT DOMINATED THE GLASS FILLED NYLON MARKET

FIGURE 15 AUTOMOTIVE SEGMENT AND APAC ACCOUNTED FOR THE LARGEST SHARE IN GLASS FILLED NYLON MARKET IN 2018

FIGURE 16 INDIA TO REGISTER THE HIGHEST CAGR IN THE GLASS FILLED NYLON MARKET

FIGURE 17 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES: GLASS FILLED NYLON MARKET

FIGURE 18 GLASS FILLED NYLON MARKET: PORTER'S FIVE FORCES ANALYSIS

FIGURE 19 AUTOMOTIVE PRODUCTION IN KEY COUNTRIES, 2017 VS 2016 (MILLION UNITS)

FIGURE 20 POLYAMIDE 6 SEGMENT TO DOMINATE THE GLASS FILLED NYLON MARKET

FIGURE 21 APAC TO BE THE LEADING POLYAMIDE 6 BASED GLASS FILLED

NYLON MARKET

FIGURE 22 AUTOMOTIVE TO BE THE LEADING END-USE INDUSTRY OF GLASS FILLED NYLON

FIGURE 23 APAC IS THE LEADING GLASS FILLED NYLON MARKET IN THE AUTOMOTIVE END-USE INDUSTRY

FIGURE 24 INJECTION MOLDING SEGMENT TO DOMINATE THE GLASS FILLED NYLON MARKET

FIGURE 25 APAC TO BE THE LEADING INJECTION MOLDED GLASS FILLED NYLON MARKET

FIGURE 26 30% GLASS FILLED TO BE THE LEADING SEGMENT OF THE MARKET

FIGURE 27 CHINA TO REGISTER THE HIGHEST GROWTH RATE IN THE GLASS FILLED NYLON MARKET

FIGURE 28 APAC: GLASS FILLED NYLON MARKET SNAPSHOT

FIGURE 29 EUROPE: GLASS FILLED NYLON MARKET SNAPSHOT

FIGURE 30 NORTH AMERICA: GLASS FILLED NYLON MARKET SNAPSHOT

FIGURE 31 UAE TO WITNESS THE HIGHEST GROWTH RATE IN THE MEA MARKET

FIGURE 32 BRAZIL TO BE THE LARGEST GLASS FILLED NYLON MARKET IN LATIN AMERICA

FIGURE 33 COMPANIES ADOPTED ACQUISITION AS THE KEY GROWTH STRATEGY BETWEEN 2014 AND 2019

FIGURE 34 GLASS FILLED NYLON MARKET: COMPETITIVE LEADERSHIP MAPPING, 2019

FIGURE 35 MARKET SHARE ANALYSIS OF TOP 5 KEY PLAYERS IN 2019

FIGURE 36 BASF SE: COMPANY SNAPSHOT

FIGURE 37 BASF SE: SWOT ANALYSIS

FIGURE 38 ASAHI KASEI CORPORATION: COMPANY SNAPSHOT

FIGURE 39 ASAHI KASEI CORPORATION: SWOT ANALYSIS

FIGURE 40 LANXESS: COMPANY SNAPSHOT

FIGURE 41 LANXESS: SWOT ANALYSIS

FIGURE 42 DOWDUPONT INC.: COMPANY SNAPSHOT

FIGURE 43 DOWDUPONT INC.: SWOT ANALYSIS

FIGURE 44 ROYAL DSM N.V.: COMPANY SNAPSHOT

FIGURE 45 ROYAL DSM N.V.: SWOT ANALYSIS

FIGURE 46 ARKEMA: COMPANY SNAPSHOT

FIGURE 47 SABIC: COMPANY SNAPSHOT

FIGURE 48 EVONIK INDUSTRIES: COMPANY SNAPSHOT

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