

Global Long Fiber Thermoplastic Market By Fiber (Glass and Carbon.); By Resin (Polypropylene, Polyamide, Thermoplastic Polyurethane, Polybutylene Terephthalate, Polyphenylene Sulfide, Polycarbonate and PEEK.); By Process (Injection Molding, Pultrusion, D-LFT); By End User (Automotive, Aerospace, Electrical and Electronics, Buildings and Construction, Sporting Equipment, and Other) and Region – Global Analysis of Market Size, Share & Trends for 2019 – 20 and Forecasts to 2030

<https://marketpublishers.com/r/G498888534A0EN.html>

Date: June 2024

Pages: 189

Price: US\$ 5,000.00 (Single User License)

ID: G498888534A0EN

Abstracts

Product Overview

Long fiber thermoplastic is the material that bridges the gap between conventional fiber-reinforced components and composites. Long fiber thermoplastic is a moldable thermoplastic that is employed to manufacture the components used in the automotive industry. Long fiber thermoplastic components are produced by the pultrusion process or injection molding. They are generally 10-12 mm long. Long fiber thermoplastic has higher mechanical performance due to which they are often used as metal substitutes, as an alternative to under-performing plastics, and as a replacement for higher-cost engineering polymers. Long fiber thermoplastic exhibits various properties including high strength, heat resistance, durability, weight reduction, and corrosion resistance. Long fiber thermoplastic finds its application in automotive, aerospace, construction, healthcare, consumer, electronics, and sports and leisure.

Market Highlights

Global Long Fiber Thermoplastic Market is expected to project a notable CAGR of X.XX% in 2030.

Global Long Fiber Thermoplastic Market to surpass USD XX.X billion by 2030 from USD XX.X billion in 2019 at a CAGR of X.XX% in the coming years, i.e., 2020-30. The Long Fiber Thermoplastic Market is growing owing to its increasing demand from automobiles, aerospace, and defense. The escalating demand for lightweight materials in various end-user industries as well as its heat resistance, performance, and process benefits including higher strength, radiolucency, and recyclability is expected to drive the market further.

Recent Highlights in Global Long Fiber Thermoplastic Market

In April 2019, Quadrant AG announced to change its name to Mitsubishi Chemical Advanced Materials AG (MCAM). This name change will be a significant further step in the history of the Group as the renamed company as well as most of its subsidiaries and affiliates, which will share the name of Mitsubishi Chemical as part of its new identity with some additional designation.

In April 2017, PlastiComp Inc. announced that it has added a new manufacturing line in long carbon fiber reinforced thermoplastic composite pellets which will increase its production capacity and improve the overall productivity.

Global Long Fiber Thermoplastic Market: Segments

Glass segment to grow with the highest CAGR during 2020-30

Global Long Fiber Thermoplastic market is segmented by fiber into glass and carbon. The glass, the segment held the largest market share in the year 2019 owing to its accelerating demand from the electrical and electronics, building & construction, and automotive sectors. They offer more resistance to handle damages and prevents cracks which may lead to paint pops, blistering which in turn increase bondage and provide mechanical solidity.

Polypropylene segment to grow with the highest CAGR during 2020-30

Global Long Fiber Thermoplastic market is divided by Resin into polypropylene, polyamide, thermoplastic polyurethane, polybutylene terephthalate, polyphenylene sulfide, polycarbonate and PEEK. Polypropylene segment held the largest market share in the year 2019 and will continue to dominate the market in the coming years.

Polypropylene is used with glass or carbon fibers to manufacture electronic materials. They are also utilized in automobiles in order to reduce the emissions

Automotive segment to grow with the highest CAGR during 2020-30

Global Long Fiber Thermoplastic market is bifurcated by End User into automotive, aerospace, electrical and electronics, buildings and construction, sporting equipment, and others. The automotive segment held the largest market share in the year 2019 and will continue to dominate the market in the coming years owing to the consumer inclination towards lightweight and fuel-efficient vehicles. Long fiber thermoplastics are used in bumpers, instrument panels, door modules, battery cooling box and underbody shielding applications which are projected to robust the growth of the market globally.

Market Dynamics

Drivers

Growing demand from automotive industry

Long fiber thermoplastics are extensively used in the automotive industry as they help to reduce the weight of vehicles and improve fuel efficiency. The reduced weight of vehicles saves energy by decreasing tire wear and emissions. Long fiber thermoplastics are used as a substitute for conventional components such as die castings, metal assemblies, and underperforming plastics in the automotive sector. Furthermore, with the increasing population along with the rising disposable income, the demand for vehicles is fueling which is expected to spur the demand for long fiber thermoplastics across the automotive industry.

Increasing application in aerospace sector

Long fiber thermoplastics are highly preferred for manufacturing aircraft owing to their chemical resistance and corrosion-free properties which makes the product durable and increases its life. Additionally, long fiber thermoplastics are cost-effective as compared to metals which in turn increasing its utilization in interiors and some of the exterior parts of the aircraft which is anticipated to drive the market in the coming years.

Restraint

Availability of substitutes

The increasing usage of thermosets due to their improved mechanical properties and cost efficiency is estimated to hamper the long fiber thermoplastics market. Moreover, a lack of knowledge regarding the benefits of long fiber thermoplastics is likely to restrict the market growth.

Global Long Fiber Thermoplastic Market: Key Players

RTP Company

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence,

SWOT Analysis

PolyOne Corporation

PlastiComp, Inc.

Daicel Polymer Ltd.

Sumitomo Bakelite Co., Ltd.

The Mitsubishi Chemical Advanced Materials Group of Companies

Polymer Group Ltd

SGL Carbon

SKYi Composites Pvt. Ltd.

Great Eastern Resins Industrial Co. Ltd

BASF SE

DIEFFENBACHER GMBH Maschinen- und Anlagenbau

JNC Corporation.

Other Prominent Players

Global Long Fiber Thermoplastic Market: Regions

Global Long Fiber Thermoplastic Market is segmented based on regional analysis into five major regions. These include North America, Latin America, Europe, Asia Pacific, and Middle East, and Africa. Global Long Fiber Thermoplastic Market in Europe held the largest market share in the year 2019. Europe will continue to dominate the global Long Fiber Thermoplastic market owing to the increasing automotive industry and the presence of major automotive manufacturers in this region. Additionally, economic growth in the region is expected to spur market growth.

Global Long Fiber Thermoplastic Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil, and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia, and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa, and Rest of MENA

Global Long Fiber Thermoplastic Market report also contains analysis on:

Long Fiber Thermoplastic Market Segments:

By Fiber
Glass
Carbon
By Resin
Polypropylene,
Polyamide,
Thermoplastic Polyurethane,
Polybutylene Terephthalate,
Polyphenylene Sulfide,
Polycarbonate
PEEK.
By Process
Injection Molding
Pultrusion
D-LFT
By End-User
Automotive
Aerospace
Electrical and Electronics
Buildings and Construction
Sporting Equipment
Other
Long Fiber Thermoplastic Market Dynamics
Long Fiber Thermoplastic Market Size
Supply & Demand
Current Trends/Issues/Challenges
Competition & Companies Involved in the Market
Value Chain of the Market
Market Drivers and Restraints

Contents

1. EXECUTIVE SUMMARY

2. GLOBAL LONG FIBER THERMOPLASTIC MARKET

- 2.1. Product Overview
- 2.2. Market Definition
- 2.3. Segmentation
- 2.4. Assumptions and Acronyms

3. RESEARCH METHODOLOGY

- 3.1. Research Objectives
- 3.2. Primary Research
- 3.3. Secondary Research
- 3.4. Forecast Model
- 3.5. Market Size Estimation

4. AVERAGE PRICING ANALYSIS

5. MACRO-ECONOMIC INDICATORS

6. MARKET DYNAMICS

- 6.1. Growth Drivers
- 6.2. Restraints
- 6.3. Opportunity
- 6.4. Trends

7. CORRELATION & REGRESSION ANALYSIS

- 7.1. Correlation Matrix
- 7.2. Regression Matrix

8. RECENT DEVELOPMENT, POLICIES & REGULATORY LANDSCAPE

9. RISK ANALYSIS

9.1. Demand Risk Analysis

9.2. Supply Risk Analysis

10. GLOBAL LONG FIBER THERMOPLASTIC MARKET ANALYSIS

10.1. Porters Five Forces

10.1.1. Threat of New Entrants

10.1.2. Bargaining Power of Suppliers

10.1.3. Threat of Substitutes

10.1.4. Rivalry

10.2. PEST Analysis

10.2.1. Political

10.2.2. Economic

10.2.3. Social

10.2.4. Technological

11. GLOBAL LONG FIBER THERMOPLASTIC MARKET

11.1. Market Size & forecast, 2020A-2030F

11.1.1. By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

11.1.2. By Volume (Million Units) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12. GLOBAL LONG FIBER THERMOPLASTIC MARKET: MARKET SEGMENTATION

12.1. By Regions

12.1.1. North America:(U.S. and Canada), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.1.2. Latin America: (Brazil, Mexico, Argentina, Rest of Latin America), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.1.3. Europe: (Germany, UK, France, Italy, Spain, BENELUX, NORDIC, Hungary, Poland, Turkey, Russia, Rest of Europe), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.1.4. Asia-Pacific: (China, India, Japan, South Korea, Indonesia, Malaysia, Australia, New Zealand, Rest of Asia Pacific), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.1.5. Middle East and Africa: (Israel, GCC, North Africa, South Africa, Rest of Middle East and Africa), By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.2. By Fiber: Market Share (2020-2030F)

12.2.1. Glass, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.2.2. Carbon, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.3. By Resin: Market Share (2020-2030F)

12.3.1. Polypropylene, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%)
2021-2030F

12.3.2. Polyamide, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%)
2021-2030F

12.3.3. Thermoplastic Polyurethane, By Value (USD Million) 2020-2030F; Y-o-Y
Growth (%) 2021-2030F

12.3.4. Polybutylene Terephthalate, By Value (USD Million) 2020-2030F; Y-o-Y
Growth (%) 2021-2030F

12.3.5. Polyphenylene Sulfide, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%)
2021-2030F

12.3.6. Polycarbonate, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%)
2021-2030F

12.3.7. PEEK, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.4. By Process: Market Share (2020-2030F)

12.4.1. Injection Molding, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%)
2021-2030F

12.4.2. Pultrusion, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.4.3. D-LFT, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

12.5. By end user: Market Share (2020-2030F)

12.5.1. Automotive, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%)
2021-2030F

12.5.2. Aerospace, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%)
2021-2030F

12.5.3. Electrical and Electronics, By Value (USD Million) 2020-2030F; Y-o-Y Growth
(%) 2021-2030F

12.5.4. Buildings and Construction, By Value (USD Million) 2020-2030F; Y-o-Y Growth
(%) 2021-2030F

12.5.5. Sporting Equipment, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%)
2021-2030F

12.5.6. Other, By Value (USD Million) 2020-2030F; Y-o-Y Growth (%) 2021-2030F

Company Profile

1. RTP COMPANY

1. COMPANY OVERVIEW

2. COMPANY TOTAL REVENUE (FINANCIALS)**3. MARKET POTENTIAL****4. GLOBAL PRESENCE****5. KEY PERFORMANCE INDICATORS****6. SWOT ANALYSIS****7. PRODUCT LAUNCH****2. POLYONE CORPORATION****3. PLASTICOMP, INC****4. DAICEL POLYMER LTD.****5. SUMITOMO BAKELITE CO., LTD.****6. THE MITSUBISHI CHEMICAL ADVANCED MATERIALS GROUP OF COMPANIES****7. POLYMER GROUP LTD, SGL CARBON****8. SKYI COMPOSITES PVT. LTD****9. GREAT EASTERN RESINS INDUSTRIAL CO. LTD****10. BASF SE****11. DIEFFENBACHER GMBH MASCHINEN- UND ANLAGENBAU****12. JNC CORPORATION****13. OTHER PROMINENT PLAYERS****Consultant Recommendation**

****The above-given segmentations and companies could be subjected to further**

Global Long Fiber Thermoplastic Market By Fiber (Glass and Carbon.); By Resin (Polypropylene, Polyamide, Therm...

modification based on in-depth feasibility studies conducted for the final deliverable.

I would like to order

Product name: Global Long Fiber Thermoplastic Market By Fiber (Glass and Carbon.); By Resin (Polypropylene, Polyamide, Thermoplastic Polyurethane, Polybutylene Terephthalate, Polyphenylene Sulfide, Polycarbonate and PEEK.); By Process (Injection Molding, Pultrusion, D-LFT); By End User (Automotive, Aerospace, Electrical and Electronics, Buildings and Construction, Sporting Equipment, and Other) and Region – Global Analysis of Market Size, Share & Trends for 2019 – 20 and Forecasts to 2030

Product link: <https://marketpublishers.com/r/G498888534A0EN.html>

Price: US\$ 5,000.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G498888534A0EN.html>

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

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms

& Conditions at <https://marketpublishers.com/docs/terms.html>

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