Long Fiber Thermoplastics (LFT) - Global Strategic Business Report

Description: The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World. Annual estimates and forecasts are provided for the period 2015 through 2022. Also, a six-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research.

This report analyzes the worldwide markets for Long Fiber Thermoplastics (LFT) in Metric Tons by the following Resin Types: Polypropylene, and Others. The Global market is also analyzed by the following End-Use Applications: Automotive Applications (Door Modules, Front-End Modules, Instrument Panels, Underbody Shields, & Other Applications), and Non-Automotive Applications (Industrial & General Goods, & Other Applications).

Company profiles are primarily based on public domain information including company URLs. The report profiles 32 companies including many key and niche players such as -

- Celanese Corporation
- Daicel Polymer Limited
- PlastiComp Inc.
- PolyOne Corporation
- PPG Fiber Glass

Contents:

I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS
Study Reliability and Reporting Limitations
Disclaimers
Data Interpretation & Reporting Level
Quantitative Techniques & Analytics
Product Definitions and Scope of Study
Automotive Applications
Non-Automotive Applications

II. EXECUTIVE SUMMARY
1. OUTLOOK
A Prelude
Consumption Analysis
Table 1: Global Market for Long Fiber Thermoplastics by Resin Type (LFT) (2016): Percentage Breakdown of Volume Sales for Polypropylene and Others (includes corresponding Graph/Chart)
Factors Driving LFT Consumption
Automotive Industry: The Major End-Use Sector for LFT
Automotive Application of Composites by Select Manufacturers
A Peek into the Competitive Landscape
Table 2: Leading Players in the Global Market for Long Fiber thermoplastics (2016): Percentage Breakdown of Value Sales for Celanese, SABIC and Others (includes corresponding Graph/Chart)

2. INDUSTRY OVERVIEW AND TRENDS
LFT In The Macro Economic Perspective
A Review
Positive Economic Outlook Keeps Market Sentiment Intact
Table 3: World Real GDP Growth Rates in % (2014 through 2017F): Breakdown by Country/Region (includes corresponding Graph/Chart)
Table 4: World GDP (2014 & 2015): Percentage Breakdown of Nominal GDP Value by Country (includes corresponding Graph/Chart)
Market on Growth Path In spite of Volatility in Global PMI
Table 5: Global Purchasing Managers Index (PMI): Breakdown of Monthly PMI Data by Country for the Period November 2015 to November 2016 (includes corresponding Graph/Chart)
Positive Eurozone Economic Outlook Bodes Well for the Market

Table 6: Business Climate Indicator in the Eurozone Area for the Period November 2015 to November 2016: Breakdown by Month (includes corresponding Graph/Chart)

Fiscal Cliff Concerns in the US and the Road Ahead

Table 7: US Revisions of Debt Ceiling Limit (in US$ Billion) for the Years 2002-2015 (includes corresponding Graph/Chart)

Application Market Overview & Trends

Automotive Market

Product Innovations to Woo Automotive Manufacturers

Technological Improvements Enhance Durability of LFT Auto Components

LFTs- An Ideal Lightweight Substitute for Metals in the Auto Industry

Recyclability

Vital to Promote Uptake of LFT in Automotive Sector

Global Automotive Industry at a Glance

Opportunity Indicators

Table 8: Global Passenger Car Sales (2009-2015) in Thousand Units (includes corresponding Graph/Chart)

Table 9: Global Commercial Vehicle Sales (2009-2015) in Thousand Units (includes corresponding Graph/Chart)

Table 10: Global Automotive Market: Breakdown of Units Produced (in Millions) for Passenger Cars and Commercial Vehicles for Years 2016, 2019 & 2022 (includes corresponding Graph/Chart)

Rising Global Automotive Production

A Business Case

Table 11: World Passenger Car Unit Production by Leading Countries: 2011, 2013 & 2015 (includes corresponding Graph/Chart)

Table 12: World Commercial Vehicle Unit Production by Leading Countries: 2011, 2013 & 2015 (includes corresponding Graph/Chart)

In-line Compounding Process Increases the Uptake of LFT

Demand from Non-Automotive Sector on the Rise

Select Market Trends

Hybrid LFTs Come to the Fore; Set to Drive Adoption of LFTs

Natural Fiber Reinforcements Gaining Prominence in LFRTs

Table 13: Performance Comparison of Natural Fiber Composites To Other Composites

Select Automotive Applications of Natural Fiber Composites by Manufacturer

Cellulose Fiber Reinforced Thermoplastic

A Natural Alternative

Advantages of LFT Gives an Upper Hand over GMT

Long Glass Fiber Reinforced Polypropylene

A Cut above the Rest

Flame Retarded Version of LFT-Polypropylene (PP): An Innovative Product in the Offing

Focus on Performance Improvement Fuels Research

New Techniques Emerge for More Realistic Microstructure Simulation and Representation

3. GLOBAL COMPOSITES INDUSTRY

AN OVERVIEW

Global Composite Consumption

Key Statistics

Table 14: Global Composite Materials Market by End-Use Industries (2016): Percentage Breakdown of Value Sales for Construction, Consumer Goods, Electrical & Electronics, Pipes & Tanks, Transportation, Wind Energy and Others (includes corresponding Graph/Chart)

Table 15: Global Composite Market by Geographic Region (2016): Percentage Share Breakdown of Volume Consumption for Asia-Pacific, Europe, North America, and Rest of World (includes corresponding Graph/Chart)

World Composites Consumption: Ranked by Types

End-Use Applications of Advanced Composites

Automotive

Aerospace

Defense & Space

Industrial

Recreation Industry

Sporting Goods

Renewable Energy

Wind Energy
4. PRODUCT OVERVIEW
Introduction
Long Fiber Thermoplastic Fibers
Long Fiber Thermoplastic Matrices
Classification of Thermoplastic Fiber-Composite- Systems
LFT Advantages & Disadvantages
Fatigue Behavior Associated with LFRT Composites
Contemporaries of LFT
Position of LFT in the Field of Fiber Reinforced Plastics
Thermoplastic Composite Value Chain
Raw Materials
Intermediate Products
Fabrication Processes
End Products
Stages of LFT Processing
Compression versus Injection Molding
Processes
In-line Compounded (ILC) LFT-D
E-LFT
S-LFT

5. PRODUCT INTRODUCTIONS/INNOVATIONS
Celanese Introduces Celstran® High Flow LFT
PlastiComp Launches Basalt Fiber Reinforced LFT Composites
SGL Group Launches New Glass and Carbon Fibers-based LFTs
PlastiComp Adds Two Products to its Complete Material Range
PPG Expands TUFROV® LFT Range
PlastiComp Launches Hybrid Carbon-Glass LFT
Owens Corning Unveils Performax®
Celanese Rolls Out Celstran Range of LFTs
Teijin Unveils Sereebo Line of Carbon Fiber Reinforced Thermoplastic

6. RECENT INDUSTRY ACTIVITY
PlastiComp Initiates Da Vinci R&D Lab for LFT Technology
Solvay Takes Over LFT Technology from EPIC Polymers
ProTec Polymer Takes Over PolymersNet
Core Molding Technologies Takes Over CPI Binani
PlastiComp Enters into Alliance with Xenia for LFTs
PolyOne Expands LFT Capacity
RTP Adds VLFT Production at Mexican Facility
Celanese to Extend LFT Production Capacity in Brazil
Amtech Takes Over Arrowhead Composites
Zoltek and Thermoplast Composite Team Up to Develop Carbon Fiber Thermoplastic Products
BASF and TenCate Partner with Owens Corning to Develop Thermoplastic Automotive Composites
PlastiComp Expands LFT Production Capacity in Minnesota
Japan Polypropylene to Acquire PPCP Businesses from Japan Polychem, JNC and Mitsubishi Chemical
Kingfa Sci & Tech to Acquire Majority Stake in Hydro S&S Industries

7. FOCUS ON SELECT PLAYERS
Celanese Corporation (US)
Daicel Polymer Limited (Japan)
PlastiComp Inc. (US)
PolyOne Corporation (US)
PPG Fiber Glass (US)
RTP Company (US)
SABIC (Saudi Arabia)
Solvay (Belgium)
Sumitomo Chemical Company Ltd. (Japan)
TechnoCompound GmbH (Germany)

8. GLOBAL MARKET PERSPECTIVE
Table 16: World Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 17: World Historic Review for Long Fiber Thermoplastics (LFTs) by Geographic Region

US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 18: World 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Geographic Region

Percentage Breakdown of Unit Consumption for US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

Long Fiber Thermoplastics Market by Thermoplastic Resin Types

Table 19: World Recent Past, Current and Future Analysis for LFT-Polypropylene Resin Type by Geographic Region

US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 20: World Historic Review for LFT-Polypropylene Resin Type by Geographic Region

Table 21: World 14-Year Perspective for LFT-Polypropylene Resin Type by Geographic Region

Percentage Breakdown of Unit Consumption for US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

Table 22: World Recent Past, Current and Future Analysis for LFT-Other Resin Types by Geographic Region

US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 23: World Historic Review for LFT-Other Resin Types by Geographic Region

Table 24: World 14-Year Perspective for LFT-Other Resin Types by Geographic Region

Percentage Breakdown of Unit Consumption for US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

Table 25: World Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Application

Automotive (Door Modules, Front-End Modules, Instrument Panels, Underbody Shields, and Others) Applications and Non-Automotive (Industrial & General Goods, and Others) Applications Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 26: World Historic Review for Long Fiber Thermoplastics (LFTs) by Application

Table 27: World 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Application

Percentage Breakdown of Unit Consumption for Automotive (Door Modules, Front-End Modules, Instrument Panels, Underbody Shields, and Others) Applications and Non-Automotive (Industrial & General Goods, and Others) Applications for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

III. MARKET

1. THE UNITED STATES

A. Market Analysis

Long Fiber Thermoplastics Market

A Review

Automobile Production Statistics

Table 28: The US Production of Passenger Cars (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)

Table 29: The US Production of Commercial Vehicles (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)

Opportunities Exist for LFTs with Enhanced Performance Capabilities

Favorable Government Policies Lending Succor to Bio-based Initiatives

Competitive Landscape

Table 30: Leading Players in the North American Market for Long Fiber thermoplastics (2016): Percentage Breakdown of Value Sales for Celanese, SABIC and Others (includes corresponding Graph/Chart)

Product Launches

Strategic Corporate Developments

Select Major Players
B. Market Analytics
   Table 31: The US Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
   LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
   Table 32: The US Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
   LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
   Table 33: The US 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type
   Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

2. CANADA
   A. Market Analysis
   Current & Future Analysis
   Automobile Production Statistics
   Table 34: Canadian Production of Passenger Cars (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
   Table 35: Canadian Production of Commercial Vehicles (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
   B. Market Analytics
   Table 36: Canadian Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
   LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
   Table 37: Canadian Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
   LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
   Table 38: Canadian 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type
   Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

3. JAPAN
   A. Market Analysis
   Current & Future Analysis
   Automobile Production Statistics
   Table 39: Japanese Production of Passenger Cars (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
   Table 40: Japanese Production of Commercial Vehicles (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
   Strategic Corporate Development
   Select Major Players
   B. Market Analytics
   Table 41: Japanese Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
   LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
   Table 42: Japanese Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
   LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
   Table 43: Japanese 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type
   Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4. EUROPE
   A. Market Analysis
   An Overview of the European LFT Market
   Emerging & Futuristic Trends of the European LFT Industry
   Impact of Global Recession on the European FRP Market - A Recent Past Preview
   Table 44: European GFP (Glass Fiber Reinforced Plastics) Production by Region/Country (2016): Percentage Breakdown of Volume Production for Eastern Europe, Germany, Italy, Spain/Portugal, UK, and Others (includes corresponding Graph/Chart)
   Table 45: European GFP (Glass Fiber Reinforced Plastics) Production by Application (2016): Percentage
Breakdown of Volume Production for Construction, Electrical & Electronics, Sports, Transportation and Others (includes corresponding Graph/Chart)
New FRP Technologies Surges Ahead
Carbon & Natural- Fiber Reinforced Thermoplastics to Offer Good Competition to Glass Fibers
European Alliance for Thermoplastic Composites (EATC)
Strategic Corporate Development

B. Market Analytics
Table 46: European Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Geographic Region
France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 47: European Historic Review for Long Fiber Thermoplastics (LFTs) by Geographic Region
France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 48: European 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Geographic Region
Percentage Breakdown of Unit Consumption for France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

Table 49: European Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 50: European Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 51: European 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type
Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4a. FRANCE
A. Market Analysis
Current & Future Analysis
Automobile Production Statistics
Table 52: French Production of Passenger Cars (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
Table 53: French Production of Commercial Vehicles (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
B. Market Analytics
Table 54: French Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 55: French Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 56: French 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type
Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4b. GERMANY
A. Market Analysis
Current & Future Analysis
Automobile Production Statistics
Table 57: German Production of Passenger Cars (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
Table 58: German Production of Commercial Vehicles (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
Product Launches
Strategic Corporate Development
Technocompound GmbH (Germany)
A Key German Player
B. Market Analytics
Table 59: German Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 60: German Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 61: German 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type
Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4c. ITALY
A.Market Analysis
Current & Future Analysis
Automobile Production Statistics
Table 62: Italian Production of Passenger Cars (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
Table 63: Italian Production of Commercial Vehicles (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
Strategic Corporate Development
B.Market Analytics
Table 64: Italian Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 65: Italian Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 66: Italian 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type
Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4d. THE UNITED KINGDOM
A.Market Analysis
Current & Future Analysis
Automobile Production Statistics
Table 67: The UK Production of Passenger Cars (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
Table 68: The UK Production of Commercial Vehicles (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
B.Market Analytics
Table 69: The UK Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 70: The UK Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 71: The UK 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type
Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4e. SPAIN
A.Market Analysis
Current & Future Analysis
Automobile Production Statistics
Table 72: Spanish Production of Passenger Cars (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
Table 73: Spanish Production of Commercial Vehicles (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
B.Market Analytics
Table 74: Spanish Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 75: Spanish Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 76: Spanish 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type
Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4f. RUSSIA
A. Market Analysis
Current & Future Analysis
Automobile Production Statistics
Table 77: Russian Production of Passenger Cars (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
Table 78: Russian Production of Commercial Vehicles (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
Strategic Corporate Development
B. Market Analytics
Table 79: Russian Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 80: Russian Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 81: Russian 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type
Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

4g. REST OF EUROPE
A. Market Analysis
Current & Future Analysis
Solvay
A Key Belgium-based Producer of LFTs
B. Market Analytics
Table 82: Rest of European Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 83: Rest of European Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 84: Rest of European 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type
Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

5. ASIA-PACIFIC
Market Analysis
Table 85: Asia-Pacific Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Geographic Region
China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 86: Asia-Pacific Historic Review for Long Fiber Thermoplastics (LFTs) by Geographic Region
China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 87: Asia-Pacific 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Geographic Region
Percentage Breakdown of Unit Consumption for China, India and Rest of Asia-Pacific Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)
Table 88: Asia-Pacific Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 89: Asia-Pacific Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 90: Asia-Pacific 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type
Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

5a. CHINA
A. Market Analysis
Current & Future Analysis
Automobile Production Statistics
Table 91: Chinese Production of Passenger Cars (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
Table 92: Chinese Production of Commercial Vehicles (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
Chinese Reinforced Plastics Market
A Review
Product Launch
B. Market Analytics
Table 93: Chinese Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 94: Chinese Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 95: Chinese 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type
Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

5b. INDIA
A. Market Analysis
Current & Future Analysis
Automobile Production Statistics
Table 96: Indian Production of Passenger Cars (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
Table 97: Indian Production of Commercial Vehicles (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
B. Market Analytics
Table 98: Indian Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 99: Indian Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 100: Indian 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type
Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

5c. REST OF ASIA-PACIFIC
A. Market Analysis
Current & Future Analysis
Strategic Corporate Development
B. Market Analytics
Table 101: Rest of Asia-Pacific Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 102: Rest of Asia-Pacific Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 103: Rest of Asia-Pacific 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type
Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

6. LATIN AMERICA
Market Analysis
Table 104: Latin American Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Geographic Region
Brazil and Rest of Latin America Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 105: Latin American Historic Review for Long Fiber Thermoplastics (LFTs) by Geographic Region
Brazil and Rest of Latin America Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 106: Latin American 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Geographic Region Percentage Breakdown of Unit Consumption for Brazil and Rest of Latin America Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)
Table 107: Latin American Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
Table 108: Latin American Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
Table 109: Latin American 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

6a. BRAZIL
A. Market Analysis
   Current & Future Analysis
   Automobile Production Statistics
   Table 110: Brazilian Production of Passenger Cars (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
   Table 111: Brazilian Production of Commercial Vehicles (in Units) for Years 2009 through 2015 (includes corresponding Graph/Chart)
   Strategic Corporate Development
B. Market Analytics
   Table 112: Brazilian Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
   LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
   Table 113: Brazilian Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
   LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
   Table 114: Brazilian 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

6b. REST OF LATIN AMERICA
A. Market Analysis
   Current & Future Analysis
   Strategic Corporate Development
B. Market Analytics
   Table 115: Rest of Latin American Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
   LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)
   Table 116: Rest of Latin American Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
   LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)
   Table 117: Rest of Latin American 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

7. REST OF WORLD
A. Market Analysis
   Current & Future Analysis
   SABIC
A Key Saudi Arabia-Based Player

B. Market Analytics

Table 118: Rest of World Recent Past, Current and Future Analysis for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2015 through 2022 (includes corresponding Graph/Chart)

Table 119: Rest of World Historic Review for Long Fiber Thermoplastics (LFTs) by Resin Type
LFT-Polypropylene and LFT-Other Resins Markets Independently Analyzed with Annual Consumption in Metric Tons for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 120: Rest of World 14-Year Perspective for Long Fiber Thermoplastics (LFTs) by Resin Type
Percentage Breakdown of Unit Consumption for LFT-Polypropylene and LFT-Other Resins Markets for Years 2009, 2016 and 2022 (includes corresponding Graph/Chart)

IV. COMPETITIVE LANDSCAPE

Total Companies Profiled: 32 (including Divisions/Subsidiaries 35)

- The United States (14)
- Canada (1)
- Japan (4)
- Europe (6)
- Germany (3)
- Rest of Europe (3)
- Asia-Pacific (Excluding Japan) (8)
- Middle East (2)

Ordering:
Order Online - http://www.researchandmarkets.com/reports/1946787/
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Long Fiber Thermoplastics (LFT) - Global Strategic Business Report
Web Address: http://www.researchandmarkets.com/reports/1946787/
Office Code: SC2GOXDW

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>USD 4950</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 6930</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 10 Users:</td>
<td>USD 9405</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 15 Users:</td>
<td>USD 11880</td>
</tr>
</tbody>
</table>

* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr □ Mrs □ Dr □ Miss □ Ms □ Prof □
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World