

Automotive Composites Market by Fiber Type (Glass, Carbon), Resin Type (Thermoset, Thermoplastic), Manufacturing Process (Compression Molding, Injection Molding, Rtm), Application, Vehicle Type, Region - Global Forecast to 2028

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

Date: April 2023

Pages: 267

Price: US\$ 4,950.00 (Single User License)

ID:

Abstracts

The automotive composites market size is expected to grow from USD 7.2 billion in 2022 to USD 14.3 billion by 2028 growing at a CAGR of 12.1% between 2023 to 2028. Automotive composites have different applications, such as exterior, interior, powertrain & chassis, and battery enclosures. Advantages like lightweight and high weight to strength ratio make it suitable for fuel efficient vehicle as well as emerging trend of electric cars. These major factors are responsible for the growth of automotive composites market.

“Glass fiber segment accounted for the largest share, in terms of value & volume, of the overall automotive composites market.”

Carbon fiber composites are expected to grow with the highest CAGR of 14.6% and 13.5%, in terms of both value and volume respectively between 2023 and 2028. However, Glass fiber segment holds the largest share of in the overall automotive composites market. Owing to the advantages such as lightweight, flexibility, stability, strength, durability, and resistance to heat, temperature, & moisture along with the cost effectiveness when compared to carbon fiber, glass fiber is choice of material for automotive composite manufacturer. In automotive industry, glass fibers are used in different applications such as front-end modules, deck lids, underbody systems, bumper beams, engine cover instrument panels, and air ducts, among many other body parts.

“Exterior application let the market of automotive composites in terms of value.”

The parts of the car that are placed on the outer surface of the monocoque are termed as the exterior parts of the car body. This segment includes components such as front-end module, door panels, bumper beam, fender, and hood, among others. These composites provide multiple advantages like high stiffness, lightweight, and high strength to weight ratio to automakers which help them to make fuel efficient cars. The use of composites in different applications in automotive industry is an emerging trend due to the superior properties of composites along with the weight reduction. The composites exterior parts impart rigidity thereby offering minimum risk against damage in the event of accident. The exterior parts of the car are more prone to wear and tear owing to exposure to harsh elements and extreme weather.

“Electric vehicle type is expected to grow at a higher CAGR, in terms of both value and volume.”

Number of OEMs including BMW (Germany), and Audi (Germany), among others uses composites in their high-end electric vehicles. Composites provide a high strength to weight ratio to electric vehicles which make them fuel efficient. Almost 6.6 million electric cars were sold in 2021, out of which 3.3 million were sold in China. The shift toward electric vehicles is driving the demand for composites in automotive industry.

“Asia Pacific is the leading automotive composites market in terms of both value and volume.”

The growth of the automotive composites market in Asia Pacific is driven by the presence of established car manufacturers, and industrial expansion. Asia Pacific automotive industry is one of the largest industries compared to other regions. China is the worlds largest manufacturer of vehicles both electric and non-electric. Asia Pacific is one of the major market in composites and have some prominent countries which manufacture composites like Japan and China. Both countries are major producers of vehicles owing the demand of automotive composites in the region. Also, the region is home to some of the fastest-growing economies in the world, such as China, India, and Japan.

Breakdown of Profiles of Primary Interviews:

By Company Type- Tier 1- 60%, Tier 2- 20%, and Tier 3- 20%

By Designation- C Level- 33%, Director Level- 33%, and Managers- 34%

By Region- North America- 20%, Europe- 25%, Asia Pacific (APAC) - 25%, Latin America-10%, Middle East & Africa (MEA)-20%,

The report provides a comprehensive analysis of company profiles listed below:

Toray Industries Inc. (Japan),

Teijin Limited (Japan),

Mitsubishi Chemical Holding Corporation (Japan),

Hexcel Corporation (US),

Solvay SA (Belgium),

Owens Corning (US)

Gurit (Switzerland),

UFP Technologies Ltd. (US),

Huntsman Corporation (US),

Hexion (US),

Research Coverage

This report covers the global automotive composites market and forecasts the market size until 2028. It includes the following market segmentation – fiber (glass, carbon, others), resin (thermoset and thermoplastic), manufacturing process (compression molding, injection molding, RTM, others), application (exterior, interior, powertrain, chassis), vehicle type (non-electric, electric) and Region (Europe, North America, Asia Pacific, Latin America and Middle East & Africa). Porter's Five Forces Analysis, along with the drivers, restraints, opportunities, and challenges, have been discussed in the report. It also provides company profiles and competitive strategies adopted by the major players in the global automotive composites market.

Reasons to buy this 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 automotive composites market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and to plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Increase in demand for lightweight and fuel-efficient vehicles), restraints (High processing and manufacturing cost of composites), opportunities (Increasingly stringent government regulations), and challenges (Recyclability of composites) influencing the growth of the automotive composites market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the automotive composites market

Market Development: Comprehensive information about lucrative markets – the report analyses the automotive composites market across varied regions

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the automotive composites market

Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players like include Toray Industries Inc. (Japan), SGL Carbon (Germany), Teijin Limited (Japan), Mitsubishi Chemical Holding Corporation (Japan), Owen Corning (US), Hexcel Corporation (US), Solvay SA (Belgium), Gurit (Switzerland), UFP Technologies Ltd. (US), Huntsman Corporation (US), among others in the automotive composites market.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.3 INCLUSIONS & EXCLUSIONS

1.4 MARKET SCOPE

FIGURE 1 AUTOMOTIVE COMPOSITES MARKET SEGMENTATION

FIGURE 2 REGIONS COVERED

1.4.1 YEARS CONSIDERED

1.5 CURRENCY

1.6 UNITS CONSIDERED

1.7 STAKEHOLDERS

1.8 SUMMARY OF CHANGES

1.8.1 IMPACT OF RECESSION

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 3 AUTOMOTIVE COMPOSITES MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.2 PRIMARY DATA

2.1.2.1 Primary interviews–Top automotive composite manufacturers

2.1.2.2 Key industry insights

2.1.2.3 Breakdown of primary interviews

2.2 BASE NUMBER CALCULATION

2.2.1 APPROACH 1: DEMAND-SIDE ANALYSIS

2.2.2 APPROACH 2: SUPPLY-SIDE ANALYSIS

2.3 FORECAST NUMBER CALCULATION

2.3.1 SUPPLY SIDE

2.3.2 DEMAND SIDE

2.4 MARKET SIZE ESTIMATION

2.4.1 BOTTOM-UP APPROACH

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

2.4.2 TOP-DOWN APPROACH

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

2.5 DATA TRIANGULATION

FIGURE 6 AUTOMOTIVE COMPOSITES MARKET: DATA TRIANGULATION

2.6 IMPACT OF SLOWDOWN/RECESSION

2.7 FACTOR ANALYSIS

2.8 ASSUMPTIONS

2.9 LIMITATIONS & RISKS

3 EXECUTIVE SUMMARY

FIGURE 7 THERMOPLASTIC RESIN SEGMENT TO REGISTER HIGHER CAGR DURING FORECAST PERIOD

FIGURE 8 GLASS FIBER-BASED AUTOMOTIVE COMPOSITES TO ACCOUNT FOR HIGHEST MARKET SHARE

FIGURE 9 INJECTION MOLDING SEGMENT TO DOMINATE OVERALL AUTOMOTIVE COMPOSITES MARKET

FIGURE 10 NON-ELECTRIC VEHICLES SEGMENT TO LEAD CONSUMPTION OF AUTOMOTIVE COMPOSITES

FIGURE 11 EXTERIOR SEGMENT LED OVERALL MARKET IN 2022

FIGURE 12 ASIA PACIFIC LEADING AUTOMOTIVE COMPOSITES MARKET

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN AUTOMOTIVE COMPOSITES MARKET

FIGURE 13 REDUCTION IN PRICE OF CARBON FIBER TO DRIVE MARKET GROWTH

4.2 AUTOMOTIVE COMPOSITES MARKET, BY FIBER TYPE AND REGION

FIGURE 14 ASIA PACIFIC ACCOUNTED FOR LARGEST SHARE OF AUTOMOTIVE COMPOSITES MARKET

4.3 AUTOMOTIVE COMPOSITES MARKET, BY RESIN TYPE

FIGURE 15 THERMOSET SEGMENT TO DOMINATE OVERALL AUTOMOTIVE COMPOSITES MARKET

4.4 AUTOMOTIVE COMPOSITES MARKET, BY FIBER TYPE

FIGURE 16 GLASS FIBER DOMINATED OVERALL AUTOMOTIVE COMPOSITES MARKET

4.5 AUTOMOTIVE COMPOSITES MARKET, BY MANUFACTURING PROCESS

FIGURE 17 INJECTION MOLDING PROCESS DOMINATED OVERALL MARKET

4.6 AUTOMOTIVE COMPOSITES MARKET, BY VEHICLE TYPE

FIGURE 18 NON-ELECTRIC VEHICLE SEGMENT ACCOUNTED FOR LARGER SHARE OF AUTOMOTIVE COMPOSITES MARKET

4.7 AUTOMOTIVE COMPOSITES MARKET, BY APPLICATION

FIGURE 19 INTERIOR APPLICATION HELD MAJOR SHARE IN OVERALL

AUTOMOTIVE COMPOSITES MARKET

4.8 AUTOMOTIVE COMPOSITES MARKET, BY COUNTRY

FIGURE 20 CHINA TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 MARKET DYNAMICS

FIGURE 21 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES OF AUTOMOTIVE COMPOSITES MARKET

5.1.1 DRIVERS

5.1.1.1 Increase in demand for lightweight and fuel-efficient vehicles

5.1.1.2 Growth of environmentally friendly electric vehicles

5.1.1.3 Increasing use of cost-efficient and eco-friendly natural fibers in automotive applications

5.1.2 RESTRAINTS

5.1.2.1 High processing and manufacturing cost of composites

5.1.2.2 Lack of technological advancement in emerging economies

5.1.3 OPPORTUNITIES

5.1.3.1 Increasingly stringent government regulations

5.1.3.2 Growing demand from emerging economies

5.1.3.3 Penetration of carbon fiber composites in automotive applications

5.1.4 CHALLENGES

5.1.4.1 Recyclability of composites

5.1.4.2 Developing low-cost technologies

5.2 PORTER'S FIVE FORCES ANALYSIS

FIGURE 22 PORTER'S FIVE FORCES ANALYSIS: AUTOMOTIVE COMPOSITES MARKET

5.2.1 THREAT OF NEW ENTRANTS

5.2.2 THREAT OF SUBSTITUTES

5.2.3 BARGAINING POWER OF SUPPLIERS

5.2.4 BARGAINING POWER OF BUYERS

5.2.5 INTENSITY OF COMPETITIVE RIVALRY

TABLE 1 AUTOMOTIVE COMPOSITES MARKET: PORTER'S FIVE FORCES ANALYSIS

5.3 SUPPLY CHAIN ANALYSIS

TABLE 2 AUTOMOTIVE COMPOSITES MARKET: SUPPLY CHAIN

5.4 PRICING ANALYSIS

5.4.1 AVERAGE SELLING PRICES, BY KEY PLAYERS

FIGURE 23 AVERAGE SELLING PRICES FOR TOP THREE APPLICATIONS

(USD/KG), BY KEY PLAYERS

5.5 AVERAGE SELLING PRICE TREND

TABLE 3 AUTOMOTIVE COMPOSITES AVERAGE SELLING PRICE, BY REGION

5.6 KEY STAKEHOLDERS AND BUYING CRITERIA

5.6.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 24 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE APPLICATIONS

TABLE 4 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE APPLICATIONS

5.6.2 BUYING CRITERIA

FIGURE 25 KEY BUYING CRITERIA FOR TOP THREE APPLICATIONS

TABLE 5 KEY BUYING CRITERIA FOR TOP THREE APPLICATIONS

5.7 TECHNOLOGY ANALYSIS

5.8 REGULATORY LANDSCAPE

FIGURE 26 CO₂ EMISSIONS, BY SECTOR (2022)

5.9 KEY CONFERENCES AND EVENTS, 2022–2023

TABLE 6 AUTOMOTIVE COMPOSITES MARKET: DETAILED LIST OF CONFERENCES AND EVENTS

5.10 GLOBAL REGULATORY FRAMEWORK AND ITS IMPACT ON AUTOMOTIVE COMPOSITES MARKET

5.10.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 7 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 8 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 9 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.11 ECOSYSTEM: AUTOMOTIVE COMPOSITES MARKET

5.12 VALUE CHAIN ANALYSIS

FIGURE 27 VALUE CHAIN ANALYSIS: MAXIMUM VALUE ADDED DURING AUTOMOTIVE COMPOSITES RAW MATERIAL & MANUFACTURING PHASE

5.12.1 RAW MATERIALS

5.12.2 INTERMEDIATES

5.12.3 MOLDERS

5.12.4 OEMS/ASSEMBLY

5.13 TRADE ANALYSIS: KEY MARKET FOR EXPORT/IMPORT

5.13.1 CHINA

5.13.2 US

5.13.3 GERMANY

5.13.4 FRANCE

5.13.5 INDIA

5.14 CASE STUDY: AUTOMOTIVE COMPOSITES MARKET

5.15 TRENDS IMPACTING CUSTOMER BUSINESS

5.16 PATENT ANALYSIS

5.16.1 METHODOLOGY

5.16.2 LIST OF PATENTS

TABLE 10 LIST OF PATENTS PUBLISHED IN 2018–2022

6 AUTOMOTIVE COMPOSITES MARKET, BY MANUFACTURING PROCESS

6.1 INTRODUCTION

FIGURE 28 RESIN TRANSFER MOLDING PROCESS TO WITNESS HIGHEST CAGR DURING FORECAST PERIOD

TABLE 11 COMPARATIVE STUDY OF MAJOR AUTOMOTIVE COMPOSITES MANUFACTURING PROCESSES

TABLE 12 AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2018–2022 (USD MILLION)

TABLE 13 AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2018–2022 (KILOTON)

TABLE 14 AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2023–2028 (USD MILLION)

TABLE 15 AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2023–2028 (KILOTON)

6.2 COMPRESSION MOLDING PROCESS

TABLE 16 COMPRESSION MOLDING PROCESS MARKET SIZE, BY REGION, 2018–2022 (USD MILLION)

TABLE 17 COMPRESSION MOLDING PROCESS MARKET SIZE, BY REGION, 2018–2022 (KILOTON)

TABLE 18 COMPRESSION MOLDING PROCESS MARKET SIZE, BY REGION, 2023–2028 (USD MILLION)

TABLE 19 COMPRESSION MOLDING PROCESS MARKET SIZE, BY REGION, 2023–2028 (KILOTON)

6.3 INJECTION MOLDING PROCESS

TABLE 20 INJECTION MOLDING PROCESS MARKET SIZE, BY REGION, 2018–2022 (USD MILLION)

TABLE 21 INJECTION MOLDING PROCESS MARKET SIZE, BY REGION, 2018–2022 (KILOTON)

TABLE 22 INJECTION MOLDING PROCESS MARKET SIZE, BY REGION, 2023–2028 (USD MILLION)

TABLE 23 INJECTION MOLDING PROCESS MARKET SIZE, BY REGION, 2023–2028 (KILOTON)

TABLE 24 INJECTION MOLDING PROCESS MARKET SIZE, BY APPLICATION, 2018–2022 (USD MILLION)

TABLE 25 INJECTION MOLDING PROCESS MARKET SIZE, BY APPLICATION, 2018–2022 (KILOTON)

TABLE 26 INJECTION MOLDING PROCESS MARKET SIZE, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 27 INJECTION MOLDING PROCESS MARKET SIZE, BY APPLICATION, 2023–2028 (KILOTON)

6.4 RESIN TRANSFER MOLDING PROCESS

FIGURE 29 ASIA PACIFIC TO BE FASTEST-GROWING MARKET FOR RESIN TRANSFER MOLDING PROCESS

TABLE 28 RESIN TRANSFER MOLDING PROCESS MARKET SIZE, BY REGION, 2018–2022 (USD MILLION)

TABLE 29 RESIN TRANSFER MOLDING PROCESS MARKET SIZE, BY REGION, 2018–2022 (KILOTON)

TABLE 30 RESIN TRANSFER MOLDING PROCESS MARKET SIZE, BY REGION, 2023–2028 (USD MILLION)

TABLE 31 RESIN TRANSFER MOLDING PROCESS MARKET SIZE, BY REGION, 2023–2028 (KILOTON)

6.5 OTHER PROCESSES

6.5.1 FILAMENT WINDING PROCESS

6.5.2 CONTINUOUS PROCESS

6.5.3 LAY-UP PROCESS

TABLE 32 OTHER PROCESSES MARKET SIZE, BY REGION, 2018–2022 (USD MILLION)

TABLE 33 OTHER PROCESSES MARKET SIZE, BY REGION, 2018–2022 (KILOTON)

TABLE 34 OTHER PROCESSES MARKET SIZE, BY REGION, 2023–2028 (USD MILLION)

TABLE 35 OTHER PROCESSES MARKET SIZE, BY REGION, 2023–2028 (KILOTON)

7 AUTOMOTIVE COMPOSITES MARKET, BY VEHICLE TYPE

7.1 INTRODUCTION

FIGURE 30 ELECTRIC VEHICLES SEGMENT TO REGISTER HIGHER CAGR BETWEEN 2023 AND 2028

TABLE 36 AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2018–2022 (USD MILLION)

TABLE 37 AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2018–2022 (KILOTON)

TABLE 38 AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2023–2028 (USD MILLION)

TABLE 39 AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2023–2028 (KILOTON)

7.2 NON-ELECTRIC VEHICLES

TABLE 40 AUTOMOTIVE COMPOSITES MARKET SIZE IN NON-ELECTRIC VEHICLES, BY REGION, 2018–2022 (USD MILLION)

TABLE 41 AUTOMOTIVE COMPOSITES MARKET SIZE IN NON-ELECTRIC VEHICLES, BY REGION, 2018–2022 (KILOTON)

TABLE 42 AUTOMOTIVE COMPOSITES MARKET SIZE IN NON-ELECTRIC VEHICLES, BY REGION, 2023–2028 (USD MILLION)

TABLE 43 AUTOMOTIVE COMPOSITES MARKET SIZE IN NON-ELECTRIC VEHICLES, BY REGION, 2023–2028 (KILOTON)

7.3 ELECTRIC VEHICLES (EV)

TABLE 44 AUTOMOTIVE COMPOSITES MARKET SIZE IN ELECTRIC VEHICLES, BY REGION, 2018–2022 (USD MILLION)

TABLE 45 AUTOMOTIVE COMPOSITES MARKET SIZE IN ELECTRIC VEHICLES, BY REGION, 2018–2022 (KILOTON)

TABLE 46 AUTOMOTIVE COMPOSITES MARKET SIZE IN ELECTRIC VEHICLES, BY REGION, 2023–2028 (USD MILLION)

TABLE 47 AUTOMOTIVE COMPOSITES MARKET SIZE IN ELECTRIC VEHICLES, BY REGION, 2023–2028 (KILOTON)

8 AUTOMOTIVE COMPOSITES MARKET, BY FIBER TYPE

8.1 INTRODUCTION

FIGURE 31 CARBON FIBER COMPOSITES TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

TABLE 48 AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 49 AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 50 AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 51 AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028

(KILOTON)

8.2 AUTOMOTIVE CARBON FIBER COMPOSITES

TABLE 52 AUTOMOTIVE CARBON FIBER COMPOSITES MARKET SIZE, BY REGION, 2018–2022 (USD MILLION)

TABLE 53 AUTOMOTIVE CARBON FIBER COMPOSITES MARKET SIZE, BY REGION, 2018–2022 (KILOTON)

TABLE 54 AUTOMOTIVE CARBON FIBER COMPOSITES MARKET SIZE, BY REGION, 2023–2028 (USD MILLION)

TABLE 55 AUTOMOTIVE CARBON FIBER COMPOSITES MARKET SIZE, BY REGION, 2023–2028 (KILOTON)

8.2.1 AUTOMOTIVE CARBON FIBER COMPOSITES, BY RESIN TYPE

TABLE 56 AUTOMOTIVE CARBON FIBER COMPOSITES MARKET SIZE, BY RESIN TYPE, 2018–2022 (USD MILLION)

TABLE 57 AUTOMOTIVE CARBON FIBER COMPOSITES MARKET SIZE, BY RESIN TYPE, 2018–2022 (KILOTON)

TABLE 58 AUTOMOTIVE CARBON FIBER COMPOSITES MARKET SIZE, BY RESIN, 2023–2028 (USD MILLION)

TABLE 59 AUTOMOTIVE CARBON FIBER COMPOSITES MARKET SIZE, BY RESIN, 2023–2028 (KILOTON)

8.3 AUTOMOTIVE GLASS FIBER COMPOSITES

FIGURE 32 ASIA PACIFIC TO DOMINATE AUTOMOTIVE GLASS FIBER COMPOSITES MARKET

TABLE 60 AUTOMOTIVE GLASS FIBER COMPOSITES MARKET SIZE, BY REGION, 2018–2022 (USD MILLION)

TABLE 61 AUTOMOTIVE GLASS FIBER COMPOSITES MARKET SIZE, BY REGION, 2018–2022 (KILOTON)

TABLE 62 AUTOMOTIVE GLASS FIBER COMPOSITES MARKET SIZE, BY REGION, 2023–2028 (USD MILLION)

TABLE 63 AUTOMOTIVE GLASS FIBER COMPOSITES MARKET SIZE, BY REGION, 2023–2028 (KILOTON)

8.4 OTHER AUTOMOTIVE FIBER COMPOSITES

8.4.1 AUTOMOTIVE NATURAL FIBER COMPOSITES

TABLE 64 NATURAL FIBER COMPOSITES IN AUTOMOTIVE INDUSTRY, BY MANUFACTURER

8.4.2 AUTOMOTIVE BASALT FIBER COMPOSITES

8.4.3 AUTOMOTIVE ARAMID FIBER COMPOSITES

8.4.4 AUTOMOTIVE HYBRID FIBER COMPOSITES

TABLE 65 OTHER AUTOMOTIVE FIBER COMPOSITES MARKET SIZE, BY REGION, 2018–2022 (USD MILLION)

TABLE 66 OTHER AUTOMOTIVE FIBER COMPOSITES MARKET SIZE, BY REGION, 2018–2022 (KILOTON)

TABLE 67 OTHER AUTOMOTIVE FIBER COMPOSITES MARKET SIZE, BY REGION, 2023–2028 (USD MILLION)

TABLE 68 OTHER AUTOMOTIVE FIBER COMPOSITES MARKET SIZE, BY REGION, 2023–2028 (KILOTON)

9 AUTOMOTIVE COMPOSITES MARKET, BY RESIN TYPE

9.1 INTRODUCTION

FIGURE 33 THERMOPLASTIC COMPOSITES TO REGISTER HIGHER CAGR DURING FORECAST PERIOD

TABLE 69 AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2018–2022 (USD MILLION)

TABLE 70 AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2018–2022 (KILOTON)

TABLE 71 AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2023–2028 (USD MILLION)

TABLE 72 AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2023–2028 (KILOTON)

9.2 THERMOSET COMPOSITES

9.2.1 POLYESTER RESIN

9.2.2 VINYL ESTER RESIN

9.2.3 EPOXY RESIN

9.2.4 OTHERS

TABLE 73 THERMOSET AUTOMOTIVE COMPOSITES MARKET SIZE, BY REGION, 2018–2022 (USD MILLION)

TABLE 74 THERMOSET AUTOMOTIVE COMPOSITES MARKET SIZE, BY REGION, 2018–2022 (KILOTON)

TABLE 75 THERMOSET AUTOMOTIVE COMPOSITES MARKET SIZE, BY REGION, 2023–2028 (USD MILLION)

TABLE 76 THERMOSET AUTOMOTIVE COMPOSITES MARKET SIZE, BY REGION, 2023–2028 (KILOTON)

TABLE 77 THERMOSET AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2018–2022 (USD MILLION)

TABLE 78 THERMOSET AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2018–2022 (KILOTON)

TABLE 79 THERMOSET AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2023–2028 (USD MILLION)

TABLE 80 THERMOSET AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2023–2028 (KILOTON)

9.3 THERMOPLASTIC COMPOSITES

FIGURE 34 ASIA PACIFIC TO DOMINATE THERMOPLASTIC AUTOMOTIVE COMPOSITES MARKET

9.3.1 POLYPROPYLENE (PP)

9.3.2 POLYAMIDE (PA)

9.3.3 POLYPHENYLENE SULFIDE (PPS)

9.3.4 OTHERS

9.3.4.1 Polyetheretherketone (PEEK)

9.3.4.2 Polyetherimide (PEI)

TABLE 81 THERMOPLASTIC AUTOMOTIVE COMPOSITES MARKET SIZE, BY REGION, 2018–2022 (USD MILLION)

TABLE 82 THERMOPLASTIC AUTOMOTIVE COMPOSITES MARKET SIZE, BY REGION, 2018–2022 (KILOTON)

TABLE 83 THERMOPLASTIC AUTOMOTIVE COMPOSITES MARKET SIZE, BY REGION, 2023–2028 (USD MILLION)

TABLE 84 THERMOPLASTIC AUTOMOTIVE COMPOSITES MARKET SIZE, BY REGION, 2023–2028 (KILOTON)

TABLE 85 THERMOPLASTIC AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2018–2022 (USD MILLION)

TABLE 86 THERMOPLASTIC AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2018–2022 (KILOTON)

TABLE 87 THERMOPLASTIC AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2023–2028 (USD MILLION)

TABLE 88 THERMOPLASTIC AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2023–2028 (KILOTON)

10 AUTOMOTIVE COMPOSITES MARKET, BY APPLICATION

10.1 INTRODUCTION

TABLE 89 AUTOMOTIVE COMPOSITES MARKET SIZE, BY APPLICATION, 2018–2022 (USD MILLION)

TABLE 90 AUTOMOTIVE COMPOSITES MARKET SIZE, BY APPLICATION, 2018–2022 (KILOTON)

TABLE 91 AUTOMOTIVE COMPOSITES MARKET SIZE, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 92 AUTOMOTIVE COMPOSITES MARKET SIZE, BY APPLICATION, 2023–2028 (KILOTON)

FIGURE 35 BATTERY ENCLOSURES APPLICATION TO WITNESS HIGHEST CAGR BETWEEN 2023 AND 2028**10.2 EXTERIOR****TABLE 93 AUTOMOTIVE COMPOSITES MARKET SIZE IN EXTERIOR APPLICATION, BY FIBER TYPE, 2018–2022 (USD MILLION)****TABLE 94 AUTOMOTIVE COMPOSITES MARKET SIZE IN EXTERIOR APPLICATION, BY FIBER TYPE, 2018–2022 (KILOTON)****TABLE 95 AUTOMOTIVE COMPOSITES MARKET SIZE IN EXTERIOR APPLICATION, BY FIBER TYPE, 2023–2028 (USD MILLION)****TABLE 96 AUTOMOTIVE COMPOSITES MARKET SIZE IN EXTERIOR APPLICATION, BY FIBER TYPE, 2023–2028 (KILOTON)****10.3 INTERIOR****TABLE 97 AUTOMOTIVE COMPOSITES MARKET SIZE IN INTERIOR APPLICATION, BY FIBER TYPE, 2018–2022 (USD MILLION)****TABLE 98 AUTOMOTIVE COMPOSITES MARKET SIZE IN INTERIOR APPLICATION, BY FIBER TYPE, 2018–2022 (KILOTON)****TABLE 99 AUTOMOTIVE COMPOSITES MARKET SIZE IN INTERIOR APPLICATION, BY FIBER TYPE, 2023–2028 (USD MILLION)****TABLE 100 AUTOMOTIVE COMPOSITES MARKET SIZE IN INTERIOR APPLICATION, BY FIBER TYPE, 2023–2028 (KILOTON)****10.4 POWERTRAIN & CHASSIS****TABLE 101 AUTOMOTIVE COMPOSITES MARKET SIZE IN POWERTRAIN & CHASSIS APPLICATION, BY FIBER TYPE, 2018–2022 (USD MILLION)****TABLE 102 AUTOMOTIVE COMPOSITES MARKET SIZE IN POWERTRAIN & CHASSIS APPLICATION, BY FIBER TYPE, 2018–2022 (KILOTON)****TABLE 103 AUTOMOTIVE COMPOSITES MARKET SIZE IN POWERTRAIN & CHASSIS APPLICATION, BY FIBER TYPE, 2023–2028 (USD MILLION)****TABLE 104 AUTOMOTIVE COMPOSITES MARKET SIZE IN POWERTRAIN & CHASSIS APPLICATION, BY FIBER TYPE, 2023–2028 (KILOTON)****10.5 BATTERY ENCLOSURES****FIGURE 36 CARBON FIBER TO LEAD AUTOMOTIVE COMPOSITES MARKET IN BATTERY ENCLOSURES APPLICATION****TABLE 105 AUTOMOTIVE COMPOSITES MARKET SIZE IN BATTERY ENCLOSURES APPLICATION, BY FIBER TYPE, 2018–2022 (USD MILLION)****TABLE 106 AUTOMOTIVE COMPOSITES MARKET SIZE IN BATTERY ENCLOSURES APPLICATION, BY FIBER TYPE, 2018–2022 (KILOTON)****TABLE 107 AUTOMOTIVE COMPOSITES MARKET SIZE IN BATTERY ENCLOSURES APPLICATION, BY FIBER TYPE, 2023–2028 (USD MILLION)****TABLE 108 AUTOMOTIVE COMPOSITES MARKET SIZE IN BATTERY**

ENCLOSURES APPLICATION, BY FIBER TYPE, 2023–2028 (KILOTON)

11 REGIONAL ANALYSIS

11.1 INTRODUCTION

FIGURE 37 REGIONAL SNAPSHOT: ASIA PACIFIC TO LEAD GLOBAL
AUTOMOTIVE COMPOSITES MARKET

TABLE 109 AUTOMOTIVE COMPOSITES MARKET SIZE, BY REGION, 2018–2022
(USD MILLION)

TABLE 110 AUTOMOTIVE COMPOSITES MARKET SIZE, BY REGION, 2018–2022
(KILOTON)

TABLE 111 AUTOMOTIVE COMPOSITES MARKET SIZE, BY REGION, 2023–2028
(USD MILLION)

TABLE 112 AUTOMOTIVE COMPOSITES MARKET SIZE, BY REGION, 2023–2028
(KILOTON)

11.2 NORTH AMERICA

11.2.1 IMPACT OF RECESSION

FIGURE 38 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SNAPSHOT

TABLE 113 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY
RESIN TYPE, 2018–2022 (USD MILLION)

TABLE 114 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY
RESIN TYPE, 2018–2022 (KILOTON)

TABLE 115 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY
RESIN TYPE, 2023–2028 (USD MILLION)

TABLE 116 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY
RESIN TYPE, 2023–2028 (KILOTON)

TABLE 117 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY
MANUFACTURING PROCESS, 2018–2022 (USD MILLION)

TABLE 118 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY
MANUFACTURING PROCESS, 2018–2022 (KILOTON)

TABLE 119 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY
MANUFACTURING PROCESS, 2023–2028 (USD MILLION)

TABLE 120 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY
MANUFACTURING PROCESS, 2023–2028 (KILOTON)

TABLE 121 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY
VEHICLE TYPE, 2018–2022 (USD MILLION)

TABLE 122 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY
VEHICLE TYPE, 2018–2022 (KILOTON)

TABLE 123 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY

VEHICLE TYPE, 2023–2028 (USD MILLION)

TABLE 124 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2023–2028 (KILOTON)

TABLE 125 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 126 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 127 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 128 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

TABLE 129 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 130 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2018–2022 (KILOTON)

TABLE 131 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 132 NORTH AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2023–2028 (KILOTON)

11.2.2 US

11.2.2.1 High demand for lightweight material from automotive manufacturers to drive market

TABLE 133 US: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 134 US: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 135 US: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 136 US: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.2.3 CANADA

11.2.3.1 Carbon fiber to be fastest-growing segment

TABLE 137 CANADA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 138 CANADA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 139 CANADA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 140 CANADA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE,

2023–2028 (KILOTON)

11.3 EUROPE

11.3.1 IMPACT OF RECESSION

FIGURE 39 EUROPE: AUTOMOTIVE COMPOSITES MARKET SNAPSHOT

TABLE 141 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2018–2022 (USD MILLION)

TABLE 142 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2018–2022 (KILOTON)

TABLE 143 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2023–2028 (USD MILLION)

TABLE 144 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2023–2028 (KILOTON)

TABLE 145 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2018–2022 (USD MILLION)

TABLE 146 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2018–2022 (KILOTON)

TABLE 147 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2023–2028 (USD MILLION)

TABLE 148 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2023–2028 (KILOTON)

TABLE 149 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2018–2022 (USD MILLION)

TABLE 150 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2018–2022 (KILOTON)

TABLE 151 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2023–2028 (USD MILLION)

TABLE 152 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2023–2028 (KILOTON)

TABLE 153 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 154 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 155 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 156 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

TABLE 157 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 158 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY,

2018–2022 (KILOTON)

TABLE 159 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 160 EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2023–2028 (KILOTON)

11.3.2 GERMANY

11.3.2.1 Huge demand for glass fiber automotive composites to drive market

TABLE 161 GERMANY: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 162 GERMANY: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 163 GERMANY: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 164 GERMANY: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.3.3 FRANCE

11.3.3.1 Demand from high-end car manufacturers to support market growth

TABLE 165 FRANCE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 166 FRANCE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 167 FRANCE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 168 FRANCE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.3.4 UK

11.3.4.1 Growth of electric vehicles industry to create opportunities for lightweight composites market

TABLE 169 UK: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 170 UK: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 171 UK: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 172 UK: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.3.5 ITALY

11.3.5.1 Demand for carbon fiber-based automotive composites to increase at a faster pace

TABLE 173 ITALY: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 174 ITALY: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 175 ITALY: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 176 ITALY: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.3.6 SPAIN

11.3.6.1 Glass fiber segment to be dominant market during forecast period

TABLE 177 SPAIN: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 178 SPAIN: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 179 SPAIN: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 180 SPAIN: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.3.7 RUSSIA

11.3.7.1 Large manufacturing base for passenger cars to fuel demand for composites

TABLE 181 RUSSIA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 182 RUSSIA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 183 RUSSIA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 184 RUSSIA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.3.8 BELGIUM

11.3.8.1 Presence of major automotive companies to drive market

TABLE 185 BELGIUM: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 186 BELGIUM: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 187 BELGIUM: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 188 BELGIUM: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.3.9 REST OF EUROPE

TABLE 189 REST OF EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 190 REST OF EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 191 REST OF EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 192 REST OF EUROPE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.4 ASIA PACIFIC

11.4.1 IMPACT OF RECESSION

FIGURE 40 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SNAPSHOT

TABLE 193 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN, 2018–2022 (USD MILLION)

TABLE 194 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN, 2018–2022 (KILOTON)

TABLE 195 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN, 2023–2028 (USD MILLION)

TABLE 196 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN, 2023–2028 (KILOTON)

TABLE 197 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2018–2022 (USD MILLION)

TABLE 198 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2018–2022 (KILOTON)

TABLE 199 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2023–2028 (USD MILLION)

TABLE 200 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2023–2028 (KILOTON)

TABLE 201 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2018–2022 (USD MILLION)

TABLE 202 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2018–2022 (KILOTON)

TABLE 203 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2023–2028 (USD MILLION)

TABLE 204 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2023–2028 (KILOTON)

TABLE 205 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 206 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 207 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 208 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

TABLE 209 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 210 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2018–2022 (KILOTON)

TABLE 211 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 212 ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2023–2028 (KILOTON)

11.4.2 CHINA

11.4.2.1 Large automotive industry to fuel demand for automotive composites

TABLE 213 CHINA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 214 CHINA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 215 CHINA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 216 CHINA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.4.3 JAPAN

11.4.3.1 Largest producer of carbon fiber in Asia Pacific

TABLE 217 JAPAN: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 218 JAPAN: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 219 JAPAN: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 220 JAPAN: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.4.4 INDIA

11.4.4.1 Growing end-use applications to support market growth

TABLE 221 INDIA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 222 INDIA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 223 INDIA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE,

2023–2028 (USD MILLION)

TABLE 224 INDIA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.4.5 SOUTH KOREA

11.4.5.1 Lack of skilled workers to be a restraint to market growth in South Korea

TABLE 225 SOUTH KOREA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 226 SOUTH KOREA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 227 SOUTH KOREA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 228 SOUTH KOREA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.4.6 AUSTRALIA

11.4.6.1 Growing sales of electric and hybrid cars to drive market

TABLE 229 AUSTRALIA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 230 AUSTRALIA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 231 AUSTRALIA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 232 AUSTRALIA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.4.7 REST OF ASIA PACIFIC

TABLE 233 REST OF ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 234 REST OF ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 235 REST OF ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 236 REST OF ASIA PACIFIC: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.5 LATIN AMERICA

11.5.1 IMPACT OF RECESSION

FIGURE 41 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SNAPSHOT

TABLE 237 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2018–2022 (USD MILLION)

TABLE 238 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2018–2022 (KILOTON)

TABLE 239 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2023–2028 (USD MILLION)

TABLE 240 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2023–2028 (KILOTON)

TABLE 241 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2018–2022 (USD MILLION)

TABLE 242 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2018–2022 (KILOTON)

TABLE 243 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2023–2028 (USD MILLION)

TABLE 244 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2023–2028 (KILOTON)

TABLE 245 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2018–2022 (USD MILLION)

TABLE 246 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2018–2022 (KILOTON)

TABLE 247 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2023–2028 (USD MILLION)

TABLE 248 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2023–2028 (KILOTON)

TABLE 249 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 250 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 251 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 252 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

TABLE 253 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 254 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2018–2022 (KILOTON)

TABLE 255 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 256 LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2023–2028 (KILOTON)

11.5.2 MEXICO

11.5.2.1 Largest motor vehicle producer in Latin America

TABLE 257 MEXICO: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE,

2018–2022 (USD MILLION)

TABLE 258 MEXICO: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 259 MEXICO: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 260 MEXICO: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.5.3 BRAZIL

11.5.3.1 Glass fiber segment to dominate market during forecast period

TABLE 261 BRAZIL: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 262 BRAZIL: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 263 BRAZIL: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 264 BRAZIL: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.5.4 REST OF LATIN AMERICA

TABLE 265 REST OF LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 266 REST OF LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 267 REST OF LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 268 REST OF LATIN AMERICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.6 MIDDLE EAST & AFRICA

11.6.1 IMPACT OF RECESSION

FIGURE 42 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SNAPSHOT

TABLE 269 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2018–2022 (USD MILLION)

TABLE 270 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2018–2022 (KILOTON)

TABLE 271 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2023–2028 (USD MILLION)

TABLE 272 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY RESIN TYPE, 2023–2028 (KILOTON)

TABLE 273 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE,

BY MANUFACTURING PROCESS, 2018–2022 (USD MILLION)

TABLE 274 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2018–2022 (KILOTON)

TABLE 275 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2023–2028 (USD MILLION)

TABLE 276 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2023–2028 (KILOTON)

TABLE 277 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2018–2022 (USD MILLION)

TABLE 278 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2018–2022 (KILOTON)

TABLE 279 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2023–2028 (USD MILLION)

TABLE 280 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY VEHICLE TYPE, 2023–2028 (KILOTON)

TABLE 281 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 282 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 283 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 284 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

TABLE 285 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 286 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2018–2022 (KILOTON)

TABLE 287 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 288 MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY COUNTRY, 2023–2028 (KILOTON)

11.6.2 SOUTH AFRICA

11.6.2.1 Carbon fiber segment to witness highest growth

TABLE 289 SOUTH AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 290 SOUTH AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 291 SOUTH AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 292 SOUTH AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.6.3 UAE

11.6.3.1 UAE to be fastest-growing economy in Middle East & Africa

TABLE 293 UAE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 294 UAE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 295 UAE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 296 UAE: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

11.6.4 REST OF MIDDLE EAST & AFRICA

TABLE 297 REST OF MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (USD MILLION)

TABLE 298 REST OF MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2018–2022 (KILOTON)

TABLE 299 REST OF MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (USD MILLION)

TABLE 300 REST OF MIDDLE EAST & AFRICA: AUTOMOTIVE COMPOSITES MARKET SIZE, BY FIBER TYPE, 2023–2028 (KILOTON)

12 COMPETITIVE LANDSCAPE

12.1 INTRODUCTION

12.2 MARKET SHARE ANALYSIS

FIGURE 43 SHARE OF TOP COMPANIES IN AUTOMOTIVE COMPOSITES MARKET IN 2021

TABLE 301 DEGREE OF COMPETITION

12.3 MARKET RANKING

FIGURE 44 RANKING OF TOP FIVE PLAYERS IN AUTOMOTIVE COMPOSITES MARKET

12.4 REVENUE ANALYSIS OF TOP MARKET PLAYERS

FIGURE 45 REVENUE ANALYSIS

12.5 COMPANY EVALUATION MATRIX

TABLE 302 COMPANY OVERALL T FOOTPRINT

TABLE 303 COMPANY FIBER TYPE FOOTPRINT

TABLE 304 COMPANY APPLICATION FOOTPRINT

TABLE 305 COMPANY REGION FOOTPRINT

12.6 COMPETITIVE LANDSCAPE MAPPING

12.6.1 STARS

12.6.2 PERVASIVE PLAYERS

12.6.3 PARTICIPANTS

12.6.4 EMERGING LEADERS

FIGURE 46 COMPETITIVE LEADERSHIP MAPPING, 2022

12.6.5 STRENGTH OF PRODUCT PORTFOLIO

FIGURE 47 PRODUCT PORTFOLIO ANALYSIS OF TOP PLAYERS IN AUTOMOTIVE COMPOSITES MARKET

12.6.6 BUSINESS STRATEGY EXCELLENCE

FIGURE 48 BUSINESS STRATEGY EXCELLENCE OF TOP PLAYERS IN AUTOMOTIVE COMPOSITES MARKET

12.7 COMPETITIVE SCENARIO AND TRENDS

TABLE 306 DEALS, 2017–2023

TABLE 307 OTHER DEVELOPMENTS, 2017–2023

12.8 COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES

TABLE 308 KEY STARTUPS/SMES

TABLE 309 COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES

12.9 SMALL AND MEDIUM-SIZED ENTERPRISES (SME) EVALUATION MATRIX

12.9.1 PROGRESSIVE COMPANIES

12.9.2 RESPONSIVE COMPANIES

12.9.3 DYNAMIC COMPANIES

12.9.4 STARTING BLOCKS

FIGURE 49 SMALL AND MEDIUM-SIZED ENTERPRISES MAPPING, 2022

13 COMPANY PROFILES

(Business Overview, Products Offered, Recent Developments, Deals, Other developments, MnM view, Right to win, Strategic choices, Weakness and competitive threats) *

13.1 KEY COMPANIES

13.1.1 TORAY INDUSTRIES INC.

TABLE 310 TORAY INDUSTRIES INC.: COMPANY OVERVIEW

FIGURE 50 TORAY INDUSTRIES INC.: COMPANY SNAPSHOT

13.1.2 SGL CARBON SE

TABLE 311 SGL CARBON SE: COMPANY OVERVIEW

FIGURE 51 SGL CARBON SE: COMPANY SNAPSHOT

13.1.3 TEIJIN LIMITED

TABLE 312 TEIJIN LIMITED: COMPANY OVERVIEW

FIGURE 52 TEIJIN LIMITED: COMPANY SNAPSHOT**13.1.4 MITSUBISHI CHEMICAL HOLDINGS CORPORATION****TABLE 313 MITSUBISHI CHEMICAL HOLDINGS CORPORATION: COMPANY OVERVIEW****FIGURE 53 MITSUBISHI CHEMICAL HOLDINGS CORPORATION.: COMPANY SNAPSHOT****13.1.5 HEXCEL CORPORATION****TABLE 314 HEXCEL CORPORATION: COMPANY OVERVIEW****FIGURE 54 HEXCEL CORPORATION: COMPANY SNAPSHOT****13.1.6 MAGNA INTERNATIONAL****TABLE 315 MAGNA INTERNATIONAL: COMPANY OVERVIEW****FIGURE 55 MAGNA INTERNATIONAL: COMPANY SNAPSHOT****13.1.7 PLASAN CARBON COMPOSITES****TABLE 316 PLASAN CARBON COMPOSITES: COMPANY OVERVIEW****13.1.8 SOLVAY S.A.****TABLE 317 SOLVAY S. A.: COMPANY OVERVIEW****FIGURE 56 SOLVAY S. A.: COMPANY SNAPSHOT****13.1.9 HUNTSMAN INTERNATIONAL LLC.****TABLE 318 HUNTSMAN INTERNATIONAL LLC.: COMPANY OVERVIEW****FIGURE 57 HUNTSMAN INTERNATIONAL LLC: COMPANY SNAPSHOT****13.1.10 NIPPON ELECTRIC GLASS CO., LTD.****TABLE 319 NIPPON ELECTRIC GLASS CO., LTD.: COMPANY OVERVIEW****FIGURE 58 NIPPON ELECTRIC GLASS CO., LTD.: SNAPSHOT****13.1.11 JUSHI GROUP CO. LTD.****TABLE 320 JUSHI GROUP CO., LTD.: COMPANY OVERVIEW****13.1.12 UFP TECHNOLOGIES, INC.****TABLE 321 UFP TECHNOLOGIES, INC.: COMPANY OVERVIEW****FIGURE 59 UFP TECHNOLOGIES, INC.: SNAPSHOT****13.2 OTHER PLAYERS****13.2.1 HEXION****TABLE 322 HEXION: COMPANY OVERVIEW****13.2.2 CHONGQING POLYCOMP INTERNATIONAL CORPORATION****TABLE 323 CHONGQING POLYCOMP INTERNATIONAL CORPORATION: COMPANY OVERVIEW****13.2.3 OWENS CORNING****TABLE 324 OWENS CORNING: COMPANY OVERVIEW****13.2.4 MUBEA CARBO TECH GMBH****TABLE 325 MUBEA CARBO TECH GMBH: COMPANY OVERVIEW****13.2.5 TPI COMPOSITES**

TABLE 326 TPI COMPOSITES: COMPANY OVERVIEW**13.2.6 FORMAPLEX****TABLE 327 FORMAPLEX: COMPANY OVERVIEW****13.2.7 CREATIVE COMPOSITES LTD.****TABLE 328 CREATIVE COMPOSITES LTD.: COMPANY OVERVIEW****13.2.8 GMS COMPOSITES****TABLE 329 GMS COMPOSITES: COMPANY OVERVIEW****13.2.9 QUANTUM COMPOSITES****TABLE 330 QUANTUM COMPOSITES: COMPANY OVERVIEW****13.2.10 EXEL COMPOSITES****TABLE 331 EXEL COMPOSITES: COMPANY OVERVIEW****13.2.11 SABIC****TABLE 332 SABIC: COMPANY OVERVIEW****13.2.12 3B-THE FIBREGLASS COMPANY****TABLE 333 3B-THE FIBREGLASS COMPANY: COMPANY OVERVIEW**

*Details on Business Overview, Products Offered, Recent Developments, Deals, Other developments, MnM view, Right to win, Strategic choices, Weakness and competitive threats might not be captured in case of unlisted companies.

14 APPENDIX**14.1 DISCUSSION GUIDE****14.2 KNOWLEDGESTORE: MARKETSANDMARKETS SUBSCRIPTION PORTAL****14.3 CUSTOMIZATION OPTIONS****14.4 RELATED REPORTS****14.5 AUTHOR DETAILS**

I would like to order

Product name: Automotive Composites Market by Fiber Type (Glass, Carbon), Resin Type (Thermoset, Thermoplastic), Manufacturing Process (Compression Molding, Injection Molding, Rtm), Application, Vehicle Type, Region - Global Forecast to 2028

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

Price: US\$ 4,950.00 (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/.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