

# **Automotive Glass Market by Type (Laminated, Tempered), Application (Windshield, Sidelite & Backlite, Side & Rearview Mirror), Smart Glass (Technology, Application), Vehicle Type (ICE & Electric), Material, Aftermarket and Region - Global Forecast to 2027**

<https://marketpublishers.com/r/A1B0DDFC74EEN.html>

Date: October 2022

Pages: 280

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

ID: A1B0DDFC74EEN

## **Abstracts**

The automotive glass market is estimated to grow from USD 23.6 billion in 2022 to USD 30.6 billion by 2027, at a CAGR of 5.4% over the forecast period. The market is driven by the growing demand for smart glass technologies. Increasing average glass usage per vehicle and the growing trend of use of laminated side glazing are expected to increase automotive glass market value. Countries such as China and the US are experiencing high demand for premium luxury cars, thereby driving the automotive glass market.

“Passenger Car is the largest glass market.”

Passenger cars have showcased the largest demand for glass and smart glass as they contribute to ~60% of global vehicle production. The growing average glass usage per vehicle has also increased significantly in the last couple of years, owing to increased demand for luxury vehicles and SUVs. Vehicle manufacturers have started increasing the size of windshields to merge with the vehicle's roof. These extended windshields give the vehicle a sporty look and extend the driver's field of view. The global SUV share in the total passenger vehicle segment increased from ~35% in 2018 to ~45% in 2021. This increase in demand for SUVs is majorly observed in the Asia Pacific region. As SUVs are larger than passenger cars, the average glass area in these vehicles is usually more than hatchbacks or sedans. Alternatively, key luxury car manufacturers

such as Mercedes, Audi, BMW, and Volvo, among others, have started incorporating smart glass technology in their respective models, which would drive the demand for smart glass globally.

The Asia Pacific is the largest passenger car automotive glass market. Countries such as China, Japan, and India are the major automotive glass markets in the Asia Pacific.

“Sunroof is the largest and fastest-growing segment for the Automotive Smart Glass.”

The quick shading, light & heat adjustment, and protection from harmful sun rays make smart glass the most widely used for sunroof application. Luxury cars and SUVs hold the largest penetration of sunroofs. The major technology used in sunroofs is a suspended particle device (SPD), which prevents UV rays from entering the vehicle, thus lowering power consumption for air conditioning. These further increases vehicle efficiency, making it an ideal choice for sunroof application. Therefore, with the growing developments in smart glass, the market size of sunroof applications is expected to grow significantly.

Key OEMs such as Mercedes-Benz, Lincoln, and BMW use smart glass in their sunroofs. Major players in the sunroof segment for the automotive industry include Research Frontiers, SPD Control System, Gentex Corporation, Citala, and Asahi Glass.

“Asia Pacific: Largest market for Automotive Glass”

The Asia Pacific is estimated to be the largest automotive glass market during the forecast period. Increasing vehicle production and demand for ICE and electric vehicles makes it the largest automotive glass market. Increasing production and sales of SUVs in India and China are also driving the automotive glass market size, as the average area of glass required in SUVs is more than that in sedans and passenger cars. Further, growing number of vehicles in the region has increased problem of traffic and vehicle collision and accidents. For instance, according to NCRB report, in India, total road accidents reported were 4.03 lakh in 2021, up from 3.54 lakh in 2020. According to primary interviews, extreme weather condition and traffic collision are major reasons for demand for laminated and toughened glass in the aftermarket, especially windshields. Further, as the vehicle ownership rate in China and India are below global average, the automotive glass OE and aftermarket are projected to have a significant growth with increase in vehicle ownership rates in the forecast period.

Due to government incentives, stringent emission standards are expected to boost the

automotive glass market with the growing demand for electric vehicles. The automotive glazing of a typical electric vehicle adds more enhanced features, thereby improving driving comfort. As China is the largest EV market, the automotive glass market is expected to grow prominently in Asia Pacific.

The study contains insights provided by various industry experts. The break-up of the primaries is as follows:

By Company Type: Supply-side- 90% and Demand-side - 10%

By Designation: C level—10%, D level—20%, and Others—70%

By Region: North America—20%, Europe—10%, Asia Oceania—60%, RoW—10%

Some of the key players in the automotive glass market are Saint-Gobain (France), Asahi Glass (Japan), Fuyao Glass (China), Samvardhana Motherson (India), Webasto (Germany), Xinyi Glass (China), Nippon Sheet Glass (Japan), Gentex Corporation (US), Corning (US), and Magna International (Canada).

### Research Coverage

The report covers the global automotive glass market in terms of volume (thousand square meters/ '000 units) and value (USD million). It explains the qualitative and quantitative aspects of the automotive glass market based on glass type (laminated, tempered, and others), application (windshield, sidelite, backlite, rear quarter glass, side view mirror, and rearview mirror), smart glass market by technology (SPD, EC, LC/PDLC, Photochromic, and Thermo-chromic), smart glass by application (sunroofs, windscreen, sidelite/backlite, and side/rearview mirrors), by vehicle type (passenger car, LCV, truck, and bus), device embedded glass, by application (rearview mirror and windshields), aftermarket by vehicle type (passenger car and commercial vehicles), electric vehicle (BEV, PHEV and FCEV), electric commercial vehicle (trucks and buses), windscreen by application (head-up display, windscreen with ADAS, windscreen with rain sensor, heated windscreen and water repellent windscreen) and by region (Asia Pacific, Europe, North America, and RoW).

### Reasons to Buy the Report:

The report will help the market leaders/new entrants in this market with information on

the closest approximations of the revenue numbers for the overall automotive glass market and the sub-segments. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the market's pulse and provides information on key market drivers, restraints, challenges, and opportunities.

## Contents

### 1 INTRODUCTION

#### 1.1 STUDY OBJECTIVES

#### 1.2 MARKET DEFINITION

##### 1.2.1 INCLUSIONS & EXCLUSIONS

#### 1.3 STUDY SCOPE

##### FIGURE 1 AUTOMOTIVE GLASS MARKET SEGMENTATION

##### FIGURE 2 AUTOMOTIVE GLASS MARKET, BY REGION

##### 1.3.1 YEARS CONSIDERED

#### 1.4 CURRENCY AND PRICING

##### TABLE 1 CURRENCY EXCHANGE RATES (WRT PER USD)

#### 1.5 SUMMARY OF CHANGES

### 2 RESEARCH METHODOLOGY

#### 2.1 RESEARCH DATA

##### FIGURE 3 RESEARCH DESIGN

##### FIGURE 4 RESEARCH METHODOLOGY MODEL

##### 2.1.1 SECONDARY DATA

###### 2.1.1.1 List of key secondary sources

###### 2.1.1.2 Key data from secondary sources

##### 2.1.2 PRIMARY DATA

##### FIGURE 5 BREAKDOWN OF PRIMARY INTERVIEWS: BY STAKEHOLDER, DESIGNATION, AND REGION

###### 2.1.2.1 List of primary participants

#### 2.2 MARKET ESTIMATION METHODOLOGY

##### FIGURE 6 RESEARCH METHODOLOGY: HYPOTHESIS BUILDING

##### 2.2.1 BOTTOM-UP APPROACH

##### FIGURE 7 AUTOMOTIVE GLASS MARKET SIZE: BOTTOM-UP APPROACH

##### 2.2.2 TOP-DOWN APPROACH

##### FIGURE 8 AUTOMOTIVE GLASS MARKET SIZE: TOP-DOWN APPROACH (BY APPLICATION, TYPE, AND VEHICLE TYPE)

#### 2.3 DATA TRIANGULATION

##### FIGURE 9 DATA TRIANGULATION METHODOLOGY

#### 2.4 RESEARCH ASSUMPTIONS

##### 2.4.1 GLOBAL ASSUMPTIONS

##### 2.4.2 MARKET ASSUMPTIONS

- 2.4.3 FACTOR ANALYSIS FOR MARKET SIZING: DEMAND- AND SUPPLY-SIDES
- 2.5 FACTOR ANALYSIS
- 2.6 RESEARCH LIMITATIONS

### **3 EXECUTIVE SUMMARY**

- FIGURE 10 AUTOMOTIVE GLASS MARKET OUTLOOK
- FIGURE 11 AUTOMOTIVE GLASS MARKET, BY REGION, 2022 VS. 2027 (USD MILLION)

### **4 PREMIUM INSIGHTS**

- 4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN AUTOMOTIVE GLASS MARKET
  - FIGURE 12 GROWING SALES OF SUVs AND INCREASE IN DEMAND FOR ELECTRIC VEHICLES TO DRIVE AUTOMOTIVE GLASS MARKET
- 4.2 AUTOMOTIVE GLASS MARKET, BY APPLICATION
  - FIGURE 13 SIDELITES TO BE LARGEST APPLICATION, 2022–2027 (USD MILLION)
- 4.3 AUTOMOTIVE GLASS MARKET, BY MATERIAL
  - FIGURE 14 TINTED GLASS TO DOMINATE AUTOMOTIVE GLASS MARKET, 2022 VS. 2027 ('000 SQUARE METERS)
- 4.4 AUTOMOTIVE GLASS MARKET, BY VEHICLE TYPE
  - FIGURE 15 PASSENGER CARS TO LEAD AUTOMOTIVE GLASS OE MARKET, 2022 VS. 2027 (USD MILLION)
- 4.5 AUTOMOTIVE SMART GLASS MARKET, BY TECHNOLOGY
  - FIGURE 16 SPD SEGMENT TO HOLD MAJOR SHARE OF AUTOMOTIVE SMART GLASS MARKET, 2022 VS. 2027 ('000 SQUARE METERS)
- 4.6 AUTOMOTIVE SMART GLASS MARKET, BY APPLICATION
  - FIGURE 17 SUNROOFS TO BE LARGEST APPLICATION FOR AUTOMOTIVE SMART GLASS, 2022 VS. 2027 ('000 SQUARE METERS)
- 4.7 AUTOMOTIVE DEVICE EMBEDDED GLASS MARKET, BY APPLICATION
  - FIGURE 18 REARVIEW MIRRORS TO HOLD SIGNIFICANT SHARE OF AUTOMOTIVE DEVICE EMBEDDED GLASS MARKET, 2022 VS. 2027 (USD MILLION)
- 4.8 AUTOMOTIVE GLASS MARKET, BY ELECTRIC VEHICLE TYPE
  - FIGURE 19 BEV TO DOMINATE AUTOMOTIVE GLASS MARKET, 2022 VS. 2027 (USD MILLION)
- 4.9 AUTOMOTIVE GLASS AFTERMARKET, BY VEHICLE TYPE
  - FIGURE 20 COMMERCIAL VEHICLES TO HOLD LARGEST MARKET SHARE, 2022

VS. 2027 (USD MILLION)

4.10 ELECTRIC COMMERCIAL AUTOMOTIVE GLASS MARKET, BY VEHICLE TYPE  
FIGURE 21 ELECTRIC BUSES TO BE LARGEST SEGMENT, 2022 VS. 2027 (USD MILLION)

4.11 AUTOMOTIVE WINDSCREEN GLASS MARKET, BY APPLICATION  
FIGURE 22 HEAD-UP DISPLAYS TO BE FASTEST-GROWING MARKET, 2022 VS. 2027 (USD MILLION)

4.12 AUTOMOTIVE GLASS MARKET, BY REGION  
FIGURE 23 ASIA PACIFIC TO BE DOMINANT AUTOMOTIVE GLASS MARKET, 2022 VS. 2027 (USD MILLION)

## 5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 24 AUTOMOTIVE GLASS MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Increasing applications of glass in SUVs & penetration of smart glass and sunroofs

5.2.1.1.1 Growing demand for SUVs with increased glass applications

FIGURE 25 SUV PRODUCTION, BY TYPE, 2022 VS. 2027 ('000 UNITS)

5.2.1.1.2 Increase in Sunroof Penetration

5.2.1.2 OE-fitted laminated side glazing

5.2.2 RESTRAINTS

5.2.2.1 High initial capital and set-up cost of automotive glass plant restricts geographic expansion

TABLE 2 FACTORS INVOLVED IN GLASS PLANT SET-UP

5.2.2.2 Polycarbonate glazing emerging as alternative to automotive glass

FIGURE 26 AUTOMOTIVE GLAZING MARKET, BY REGION (USD MILLION)

5.2.3 OPPORTUNITIES

5.2.3.1 Use of smart glass

5.2.3.2 Device embedded glass

5.2.4 CHALLENGES

5.2.4.1 Low cost of glass in independent aftermarket (IAM)

5.2.4.2 Safety concerns regarding laminated glass

TABLE 3 LIST OF MODELS WITH LAMINATED NON-WINDSHIELD OEM GLAZING

5.2.4.3 Need for optimum thickness and strength

5.3 TRENDS/DISRUPTIONS IMPACTING CUSTOMER'S BUSINESS

FIGURE 27 REVENUE SHIFT FOR BRAKE SYSTEM MARKET

## 5.4 AUTOMOTIVE GLASS MARKET SCENARIOS (2018–2027)

### FIGURE 28 AUTOMOTIVE GLASS MARKET SCENARIOS, 2018–2027 (USD MILLION)

#### 5.4.1 MOST LIKELY SCENARIO

TABLE 4 AUTOMOTIVE GLASS MARKET (REALISTIC SCENARIO), BY REGION, 2021–2027 (USD MILLION)

#### 5.4.2 LOW-IMPACT SCENARIO

TABLE 5 AUTOMOTIVE GLASS MARKET (LOW-IMPACT SCENARIO), BY REGION, 2021–2027 (USD MILLION)

#### 5.4.3 HIGH-IMPACT SCENARIO

TABLE 6 AUTOMOTIVE GLASS MARKET (HIGH-IMPACT SCENARIO), BY REGION, 2021–2027 (USD MILLION)

## 5.5 MARKET ECOSYSTEM

TABLE 7 AUTOMOTIVE GLASS MARKET: ECOSYSTEM

## 5.6 TECHNOLOGY ANALYSIS

## 5.7 CASE STUDY ANALYSIS

### 5.7.1 CASE STUDY 1

### 5.7.2 CASE STUDY 2

## 5.8 PATENT ANALYSIS

TABLE 8 AUTOMOTIVE GLASS: PATENT ANALYSIS, 2018–2022

## 5.9 PRICING ANALYSIS

### 5.9.1 BY TYPE

TABLE 9 AVERAGE SELLING PRICE ACROSS REGIONS, BY TYPE, 2022 (USD)

## 5.10 SUPPLY CHAIN ANALYSIS

FIGURE 29 SUPPLY CHAIN ANALYSIS: AUTOMOTIVE GLASS MARKET

## 5.11 PORTER'S FIVE FORCES ANALYSIS

FIGURE 30 PORTER'S FIVE FORCES ANALYSIS: AUTOMOTIVE GLASS MARKET

### 5.11.1 THREAT OF NEW ENTRANTS

### 5.11.2 THREAT OF SUBSTITUTES

### 5.11.3 BARGAINING POWER OF SUPPLIERS

### 5.11.4 BARGAINING POWER OF BUYERS

### 5.11.5 INTENSITY OF COMPETITIVE RIVALRY

## 5.12 TRADE ANALYSIS

5.12.1 HS CODE – 700721 GLASS: LAMINATED SAFETY GLASS OF SIZE AND SHAPE SUITABLE FOR INCORPORATION IN AIRCRAFT, SPACECRAFT, VESSELS OR OTHER VEHICLES

TABLE 10 AUTOMOTIVE GLASS MARKET - IMPORTS, BY REGION

TABLE 11 AUTOMOTIVE GLASS MARKET - EXPORTS, BY REGION

### 5.12.2 HS CODE – 700711 GLASS: SAFETY GLASS, CONSISTING OF



TOUGHENED (TEMPERED) OR LAMINATED GLASS OF SIZE AND SHAPE SUITABLE FOR INCORPORATION IN VEHICLES, AIRCRAFT, SPACECRAFT, OR VESSELS

TABLE 12 AUTOMOTIVE GLASS MARKET, REGION-WISE IMPORTS

TABLE 13 AUTOMOTIVE GLASS MARKET, REGION-WISE EXPORTS

5.13 REGULATORY LANDSCAPE

5.13.1 SAFETY GLASS STANDARDS, BY COUNTRY

TABLE 14 SAFETY GLASS STANDARDS, MAJOR COUNTRIES AND REGIONS

5.14 KEY STAKEHOLDERS IN BUYING PROCESS & BUYING CRITERIA

FIGURE 31 KEY BUYING CRITERIA FOR TOP TWO AUTOMOTIVE GLASS TYPES

TABLE 15 KEY BUYING CRITERIA FOR TOP TWO AUTOMOTIVE GLASS TYPES

5.15 KEY CONFERENCES

TABLE 16 AUTOMOTIVE GLASS MARKET: UPCOMING CONFERENCES AND EVENTS, 2022–2023

## **6 AUTOMOTIVE GLASS MARKET, BY GLASS TYPE**

6.1 INTRODUCTION

6.1.1 RESEARCH METHODOLOGY

6.1.2 ASSUMPTIONS/LIMITATIONS

6.1.3 INDUSTRY INSIGHTS

FIGURE 32 AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022 VS. 2027 (USD MILLION)

TABLE 17 AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 18 AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 19 AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 (USD MILLION)

TABLE 20 AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 (USD MILLION)

6.2 LAMINATED GLASS

6.2.1 GROWTH IN APPLICATIONS DRIVEN BY GOVERNMENT REGULATIONS

TABLE 21 LAMINATED GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 22 LAMINATED GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 23 LAMINATED GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 24 LAMINATED GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

## 6.3 TEMPERED GLASS

### 6.3.1 HIGHER PENETRATION IN ASIA PACIFIC AND ROW TO RESULT IN SUSTAINED GROWTH

TABLE 25 TEMPERED GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 26 TEMPERED GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 27 TEMPERED GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 28 TEMPERED GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

## 6.4 OTHERS

### 6.4.1 INCREASE IN VEHICLE PRODUCTION TO BE INSTRUMENTAL IN SEGMENT GROWTH

TABLE 29 OTHER AUTOMOTIVE GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 30 OTHER AUTOMOTIVE GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 31 OTHER AUTOMOTIVE GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 32 OTHER AUTOMOTIVE GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

## 7 AUTOMOTIVE GLASS MARKET, BY APPLICATION

### 7.1 INTRODUCTION

FIGURE 33 AUTOMOTIVE GLASS MARKET, BY APPLICATION, 2022 VS. 2027 (USD MILLION)

TABLE 33 AUTOMOTIVE GLASS MARKET, BY APPLICATION, 2018–2021 ('000 SQUARE METERS)

TABLE 34 AUTOMOTIVE GLASS MARKET, BY APPLICATION, 2022–2027 ('000 SQUARE METERS)

TABLE 35 AUTOMOTIVE GLASS MARKET, BY APPLICATION, 2018–2021 (USD MILLION)

TABLE 36 AUTOMOTIVE GLASS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

### 7.2 WINDSHIELDS

#### 7.2.1 INCREASING POPULARITY OF ADVANCED GLASS SUCH AS GORILLA GLASS TO BOOST DEMAND

TABLE 37 WINDSHIELD GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 38 WINDSHIELD GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 39 WINDSHIELD GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 40 WINDSHIELD GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

### 7.3 SIDELITES

#### 7.3.1 INCREASE IN AVERAGE GLASS AREA TO DRIVE DEMAND

TABLE 41 SIDELITE GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 42 SIDELITE GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 43 SIDELITE GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 44 SIDELITE GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

### 7.4 BACKLITES

7.4.1 TREND OF USING LAMINATED GLASS IN BACKLITE TO BOOST MARKET VALUE

TABLE 45 BACKLITE GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 46 BACKLITE GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 47 BACKLITE GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 48 BACKLITE GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

### 7.5 SIDEVIEW MIRRORS

#### 7.5.1 INNOVATIONS IN SIDEVIEW MIRRORS TO BOOST DEVELOPMENTS

TABLE 49 SIDEVIEW GLASS MIRROR MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 50 SIDEVIEW GLASS MIRROR MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 51 SIDEVIEW GLASS MIRROR MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 52 SIDEVIEW GLASS MIRROR MARKET, BY REGION, 2022–2027 (USD MILLION)

### 7.6 REARVIEW MIRROR

7.6.1 DEVELOPMENTS IN REARVIEW MIRRORS FOR ENHANCED VISIBILITY AND PERFORMANCE TO INCREASE MARKET SHARE

TABLE 53 REARVIEW MIRROR GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 54 REARVIEW MIRROR GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 55 REARVIEW MIRROR GLASS MARKET, BY REGION, 2018–2021 (USD

MILLION)

TABLE 56 REARVIEW MIRROR GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

## **8 AUTOMOTIVE GLASS MARKET, BY VEHICLE TYPE**

### **8.1 INTRODUCTION**

8.1.1 RESEARCH METHODOLOGY

8.1.2 ASSUMPTIONS/LIMITATIONS

8.1.3 INDUSTRY INSIGHTS

FIGURE 34 AUTOMOTIVE GLASS MARKET, BY VEHICLE TYPE, 2022 VS. 2027 (USD MILLION)

TABLE 57 AUTOMOTIVE GLASS MARKET, BY VEHICLE TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 58 AUTOMOTIVE GLASS MARKET, BY VEHICLE TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 59 AUTOMOTIVE GLASS MARKET, BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 60 AUTOMOTIVE GLASS MARKET, BY VEHICLE TYPE, 2022–2027 (USD MILLION)

### **8.2 PASSENGER CARS**

8.2.1 HIGHER PENETRATION OF SUVs AND LUXURY CARS TO CONTRIBUTE TO GROWTH OF SEGMENT

TABLE 61 PASSENGER CAR GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 62 PASSENGER CAR GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 63 PASSENGER CAR GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 64 PASSENGER CAR GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

### **8.3 LIGHT COMMERCIAL VEHICLES**

8.3.1 GROWTH IN E-COMMERCE AND LOGISTICS INDUSTRY TO INCREASE LCV PRODUCTION AND DRIVE DEMAND FOR AUTOMOTIVE GLASS

TABLE 65 LCV GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 66 LCV GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 67 LCV GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 68 LCV GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

### **8.4 TRUCKS**

8.4.1 INCREASED GLASS AREA FOR ENHANCED SAFETY AND COMFORT TO BOOST DEMAND FOR AUTOMOTIVE GLASS

TABLE 69 TRUCK GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 70 TRUCK GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 71 TRUCK GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 72 TRUCK GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

## 8.5 BUSES

8.5.1 INCREASING DEMAND FOR SIDELITES IN BUSES TO BOOST DEMAND

TABLE 73 BUS GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 74 BUS GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 75 BUS GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 76 BUS GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

## 9 AUTOMOTIVE GLASS MARKET, BY MATERIAL

### 9.1 INTRODUCTION

9.1.1 RESEARCH METHODOLOGY

9.1.2 ASSUMPTIONS/LIMITATIONS

9.1.3 INDUSTRY INSIGHTS

FIGURE 35 AUTOMOTIVE GLASS MARKET, BY MATERIAL, 2022 VS. 2027 ('000 SQUARE METERS)

TABLE 77 AUTOMOTIVE GLASS MARKET, BY MATERIAL, 2018–2021 ('000 SQUARE METERS)

TABLE 78 AUTOMOTIVE GLASS MARKET, BY MATERIAL, 2022–2027 ('000 SQUARE METERS)

### 9.2 IR-PVB

9.2.1 REDUCED HEAT TRANSMISSION AND TEMPERATURE CONTROL TO BOOST PENETRATION

TABLE 79 IR-PVB: AUTOMOTIVE GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 80 IR-PVB: AUTOMOTIVE GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

### 9.3 METAL-COATED GLASS

9.3.1 GROWING VEHICLE PRODUCTION AND AVAILABILITY OF MODELS TO DRIVE DEMAND

TABLE 81 METAL-COATED: AUTOMOTIVE GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 82 METAL-COATED: AUTOMOTIVE GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

#### 9.4 TINTED GLASS

9.4.1 SEGMENT TO GROW WITH RISE IN DEMAND FOR PREMIUM AND LUXURY CARS

TABLE 83 TINTED: AUTOMOTIVE GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 84 TINTED: AUTOMOTIVE GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

#### 9.5 OTHERS

9.5.1 GROWING DEMAND FOR HEAVY-DUTY VEHICLES TO BOOST DEMAND

TABLE 85 OTHER MATERIALS: AUTOMOTIVE GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 86 OTHER MATERIALS: AUTOMOTIVE GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

## 10 AUTOMOTIVE SMART GLASS MARKET, BY TECHNOLOGY

### 10.1 INTRODUCTION

TABLE 87 SMART GLASS CHARACTERISTICS, BY TECHNOLOGY

10.1.1 RESEARCH METHODOLOGY

10.1.2 ASSUMPTIONS/LIMITATIONS

10.1.3 INDUSTRY INSIGHTS

FIGURE 36 AUTOMOTIVE SMART GLASS MARKET, BY TECHNOLOGY, 2022 VS. 2027 ('000 SQUARE METERS)

TABLE 88 AUTOMOTIVE SMART GLASS MARKET, BY TECHNOLOGY, 2018–2021 ('000 SQUARE METERS)

TABLE 89 AUTOMOTIVE SMART GLASS MARKET, BY TECHNOLOGY, 2022–2027 ('000 SQUARE METERS)

### 10.2 ACTIVE SMART GLASS

10.2.1 SUSPENDED PARTICLE DEVICE (SPD) GLASS

10.2.1.1 Increasing adoption by various automakers to contribute to segment growth  
TABLE 90 SPD GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 91 SPD GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

10.2.2 ELECTROCHROMIC (EC) GLASS

10.2.2.1 Good visibility in variety of conditions to drive penetration  
TABLE 92 EC GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 93 EC GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

10.2.3 LIQUID CRYSTAL (LC)/POLYMER DISPERSED LIQUID CRYSTAL (PDLC)

## GLASS

10.2.3.1 Growing sunroof applications in luxury cars to boost revenue

TABLE 94 LC/PDLC GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 95 LC/PDLC GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

## 10.3 PASSIVE GLASS

### 10.3.1 PHOTOCROMIC GLASS

10.3.1.1 Safety regulations to boost demand FOR pc glass

TABLE 96 PHOTOCROMIC GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 97 PHOTOCROMIC GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

### 10.3.2 THERMOCHROMIC GLASS

10.3.2.1 Asia Pacific to be largest market

TABLE 98 THERMOCHROMIC GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 99 THERMOCHROMIC GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

## 11 AUTOMOTIVE SMART GLASS MARKET, BY APPLICATION

### 11.1 INTRODUCTION

TABLE 100 AUTOMOTIVE SMART GLASS APPLICATION VS. PREFERRED TECHNOLOGY

11.1.1 RESEARCH METHODOLOGY

11.1.2 ASSUMPTIONS/LIMITATIONS

11.1.3 INDUSTRY INSIGHTS

FIGURE 37 AUTOMOTIVE SMART GLASS MARKET, BY APPLICATION, 2022 VS. 2027 ('000 SQUARE METERS)

TABLE 101 AUTOMOTIVE SMART GLASS MARKET, BY APPLICATION, 2018–2021 ('000 SQUARE METERS)

TABLE 102 AUTOMOTIVE SMART GLASS MARKET, BY APPLICATION, 2022–2027 ('000 SQUARE METERS)

### 11.2 DIMMABLE MIRRORS

11.2.1 ELIMINATION OF GLARE AND ENHANCED VISIBILITY TO DRIVE PENETRATION

TABLE 103 DIMMABLE MIRRORS: AUTOMOTIVE SMART GLASS MARKET, BY TECHNOLOGY, 2018–2021 ('000 SQUARE METERS)

TABLE 104 DIMMABLE MIRRORS: AUTOMOTIVE SMART GLASS MARKET, BY TECHNOLOGY, 2022–2027 ('000 SQUARE METERS)

### 11.3 WINDSHIELDS

11.3.1 ADOPTION IN PREMIUM AND LUXURY MODELS TO DRIVE MARKET

TABLE 105 WINDSHIELDS: AUTOMOTIVE SMART GLASS MARKET, BY TECHNOLOGY, 2018–2021 ('000 SQUARE METERS)

TABLE 106 WINDSHIELDS: AUTOMOTIVE SMART GLASS MARKET, BY TECHNOLOGY, 2022–2027 ('000 SQUARE METERS)

### 11.4 SUNROOFS

11.4.1 LOW POWER CONSUMPTION FOR APPLICATIONS SUCH AS AC TO DRIVE POPULARITY

TABLE 107 SUNROOFS: AUTOMOTIVE SMART GLASS MARKET, BY TECHNOLOGY, 2018–2021 ('000 SQUARE METERS)

TABLE 108 SUNROOFS: AUTOMOTIVE SMART GLASS MARKET, BY TECHNOLOGY, 2022–2027 ('000 SQUARE METERS)

### 11.5 SIDELITES/BACKLITES

11.5.1 ADVANCEMENTS AND DEVELOPMENTS IN SMART GLASS TECHNOLOGY TO BOOST POPULARITY

TABLE 109 SIDELITES/BACKLITES: AUTOMOTIVE SMART GLASS MARKET, BY TECHNOLOGY, 2018–2021 ('000 SQUARE METERS)

TABLE 110 SIDELITES/BACKLITES: AUTOMOTIVE SMART GLASS MARKET, BY TECHNOLOGY, 2022–2027 ('000 SQUARE METERS)

## **12 AUTOMOTIVE GLASS MARKET, BY ELECTRIC VEHICLE TYPE**

### 12.1 INTRODUCTION

12.1.1 RESEARCH METHODOLOGY

12.1.2 ASSUMPTIONS/LIMITATIONS

12.1.3 INDUSTRY INSIGHTS

FIGURE 38 ELECTRIC & HYBRID VEHICLES GLASS MARKET, BY VEHICLE TYPE, 2022 VS. 2027 (USD MILLION)

TABLE 111 ELECTRIC & HYBRID VEHICLES GLASS MARKET, BY VEHICLE TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 112 ELECTRIC & HYBRID VEHICLES GLASS MARKET, BY VEHICLE TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 113 ELECTRIC & HYBRID VEHICLES GLASS MARKET, BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 114 ELECTRIC & HYBRID VEHICLES GLASS MARKET, BY VEHICLE TYPE, 2022–2027 (USD MILLION)



## 12.2 BATTERY ELECTRIC VEHICLES (BEV)

### 12.2.1 AVAILABILITY OF NEWER GLASS TECHNOLOGY TO POPULARIZE BEV AND DRIVE SEGMENT

TABLE 115 BEV GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 116 BEV GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 117 BEV GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 118 BEV GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

## 12.3 PLUG-IN HYBRID ELECTRIC VEHICLES (PHEV)

### 12.3.1 EUROPE AND ASIA PACIFIC TO REMAIN LARGEST MARKETS DUE TO LOCAL AUTOMAKERS

TABLE 119 PHEV GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 120 PHEV GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 121 PHEV GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 122 PHEV GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

## 12.4 FUEL CELL ELECTRIC VEHICLES (FCEV)

### 12.4.1 GOVERNMENT INITIATIVES TO DRIVE PRODUCTION OF FCEV AND FCEV GLASS MARKET

TABLE 123 FCEV GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 124 FCEV GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 125 FCEV GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 126 FCEV GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

## 13 AUTOMOTIVE GLASS MARKET, BY ELECTRIC COMMERCIAL VEHICLE TYPE

### 13.1 INTRODUCTION

#### 13.1.1 RESEARCH METHODOLOGY

#### 13.1.2 ASSUMPTIONS/LIMITATIONS

#### 13.1.3 INDUSTRY INSIGHTS

FIGURE 39 ELECTRIC COMMERCIAL VEHICLES GLASS MARKET, BY VEHICLE TYPE, 2022 VS 2027 (USD MILLION)

TABLE 127 ELECTRIC COMMERCIAL VEHICLES GLASS MARKET, BY VEHICLE TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 128 ELECTRIC COMMERCIAL VEHICLES GLASS MARKET, BY VEHICLE

TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 129 ELECTRIC COMMERCIAL VEHICLES GLASS MARKET, BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 130 ELECTRIC COMMERCIAL VEHICLES GLASS MARKET, BY VEHICLE TYPE, 2022–2027 (USD MILLION)

13.2 ELECTRIC COMMERCIAL VEHICLE OEMS AND THEIR MODELS

TABLE 131 ELECTRIC COMMERCIAL VEHICLE DATA, BY VEHICLE TYPE

13.3 ELECTRIC BUSES

13.3.1 GROWING ELECTRIC BUS PRODUCTION BY KEY OEMS

TABLE 132 ELECTRIC BUSES GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 133 ELECTRIC BUSES GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 134 ELECTRIC BUSES GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 135 ELECTRIC BUSES GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

13.4 ELECTRIC TRUCKS

13.4.1 ADVANCEMENTS IN LITHIUM-ION BATTERY TECHNOLOGY

TABLE 136 ELECTRIC TRUCKS GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 137 ELECTRIC TRUCKS GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 138 ELECTRIC TRUCKS GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 139 ELECTRIC TRUCKS GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

## **14 AUTOMOTIVE GLASS AFTERMARKET, BY VEHICLE TYPE**

14.1 INTRODUCTION

14.1.1 RESEARCH METHODOLOGY

14.1.2 ASSUMPTIONS/LIMITATIONS

14.1.3 INDUSTRY INSIGHTS

FIGURE 40 AUTOMOTIVE GLASS AFTERMARKET, BY VEHICLE TYPE, 2022 VS. 2027 (USD MILLION)

TABLE 140 AUTOMOTIVE GLASS AFTERMARKET, BY VEHICLE TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 141 AUTOMOTIVE GLASS AFTERMARKET, BY VEHICLE TYPE, 2022–2027

('000 SQUARE METERS)

TABLE 142 AUTOMOTIVE GLASS AFTERMARKET, BY VEHICLE TYPE, 2018–2021  
(USD MILLION)

TABLE 143 AUTOMOTIVE GLASS AFTERMARKET, BY VEHICLE TYPE, 2022–2027  
(USD MILLION)

#### 14.2 PASSENGER CARS

14.2.1 GROWING DEMAND FOR PREMIUM FEATURES IN PASSENGER CAR  
PARC

TABLE 144 PASSENGER CAR GLASS AFTERMARKET, BY REGION, 2018–2021  
(‘000 SQUARE METERS)

TABLE 145 PASSENGER CAR GLASS AFTERMARKET, BY REGION, 2022–2027  
(‘000 SQUARE METERS)

TABLE 146 PASSENGER CAR GLASS AFTERMARKET, BY REGION, 2018–2021  
(USD MILLION)

TABLE 147 PASSENGER CAR GLASS AFTERMARKET, BY REGION, 2022–2027  
(USD MILLION)

#### 14.3 COMMERCIAL VEHICLES

14.3.1 INCREASE IN AVERAGE LIFE OF BUSES AND TRUCKS

TABLE 148 COMMERCIAL VEHICLE GLASS AFTERMARKET, BY REGION,  
2018–2021 ('000 SQUARE METERS)

TABLE 149 COMMERCIAL VEHICLE GLASS AFTERMARKET, BY REGION,  
2022–2027 ('000 SQUARE METERS)

TABLE 150 COMMERCIAL VEHICLE GLASS AFTERMARKET, BY REGION,  
2018–2021 (USD MILLION)

TABLE 151 COMMERCIAL VEHICLE GLASS AFTERMARKET, BY REGION,  
2022–2027 (USD MILLION)

### **15 DEVICE EMBEDDED GLASS MARKET, BY APPLICATION**

#### 15.1 INTRODUCTION

15.1.1 RESEARCH METHODOLOGY

15.1.2 ASSUMPTIONS/LIMITATIONS

15.1.3 INDUSTRY INSIGHTS

FIGURE 41 AUTOMOTIVE DEVICE EMBEDDED GLASS MARKET, BY  
APPLICATION, 2022 VS. 2027 (USD MILLION)

TABLE 152 AUTOMOTIVE DEVICE EMBEDDED GLASS MARKET, BY  
APPLICATION, 2018–2021 ('000 SQUARE METERS)

TABLE 153 AUTOMOTIVE DEVICE EMBEDDED GLASS MARKET, BY  
APPLICATION, 2022–2027 ('000 SQUARE METERS)

TABLE 154 AUTOMOTIVE DEVICE EMBEDDED GLASS MARKET, BY APPLICATION, 2018–2021 (USD MILLION)

TABLE 155 AUTOMOTIVE DEVICE EMBEDDED GLASS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

### 15.2 DEVICE EMBEDDED REARVIEW MIRRORS

#### 15.2.1 ACCURATE VISIBILITY AND ENHANCED SAFETY TO BOOST ADOPTION

TABLE 156 DEVICE EMBEDDED REARVIEW MIRROR GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 157 DEVICE EMBEDDED REARVIEW MIRROR GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 158 DEVICE EMBEDDED REARVIEW MIRROR GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 159 DEVICE EMBEDDED REARVIEW MIRROR GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

### 15.3 DEVICE EMBEDDED WINDSHIELDS

15.3.1 DEVELOPMENTS IN EYE-TRACKING SENSORS EMBEDDED IN WINDSHIELDS TO DRIVE DEMAND

TABLE 160 DEVICE EMBEDDED WINDSHIELD GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 161 DEVICE EMBEDDED WINDSHIELD GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

## 16 AUTOMOTIVE WINDSCREEN MARKET, BY APPLICATION

### 16.1 INTRODUCTION

#### 16.1.1 RESEARCH METHODOLOGY

#### 16.1.2 ASSUMPTIONS/LIMITATIONS

#### 16.1.3 INDUSTRY INSIGHTS

FIGURE 42 AUTOMOTIVE WINDSCREEN GLASS MARKET, BY APPLICATION, 2022 VS. 2027 (USD MILLION)

TABLE 162 AUTOMOTIVE WINDSCREEN GLASS MARKET, BY APPLICATION, 2018–2021 ('000 SQUARE METERS)

TABLE 163 AUTOMOTIVE WINDSCREEN GLASS MARKET, BY APPLICATION, 2022–2027 ('000 SQUARE METERS)

TABLE 164 AUTOMOTIVE WINDSCREEN GLASS MARKET, BY APPLICATION, 2018–2021 (USD MILLION)

TABLE 165 AUTOMOTIVE WINDSCREEN GLASS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

### 16.2 WINDSCREENS WITH ADAS

16.3 HEAD-UP DISPLAY WINDSCREENS

16.4 RAIN SENSOR WINDSCREENS

16.5 HEATED WINDSCREENS

16.6 WATER-REPELLENT WINDSCREENS

## **17 AUTOMOTIVE GLASS MARKET, BY REGION**

17.1 INTRODUCTION

TABLE 166 FEDERAL MOTOR VEHICLE SAFETY STANDARDS FOR AUTOMOTIVE GLASS

TABLE 167 EUROPEAN AUTOMOTIVE SAFETY REGULATION FOR GLASS

17.1.1 RESEARCH METHODOLOGY

17.1.2 ASSUMPTIONS/LIMITATIONS

17.1.3 INDUSTRY INSIGHTS

FIGURE 43 AUTOMOTIVE GLASS MARKET, BY REGION, 2022 VS. 2027 (USD MILLION)

TABLE 168 AUTOMOTIVE GLASS MARKET, BY REGION, 2018–2021 ('000 SQUARE METERS)

TABLE 169 AUTOMOTIVE GLASS MARKET, BY REGION, 2022–2027 ('000 SQUARE METERS)

TABLE 170 AUTOMOTIVE GLASS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 171 AUTOMOTIVE GLASS MARKET, BY REGION, 2022–2027 (USD MILLION)

17.2 ASIA PACIFIC

FIGURE 44 ASIA PACIFIC: AUTOMOTIVE GLASS MARKET SNAPSHOT

TABLE 172 ASIA PACIFIC: AUTOMOTIVE GLASS MARKET, BY COUNTRY, 2018–2021 ('000 SQUARE METERS)

TABLE 173 ASIA PACIFIC: AUTOMOTIVE GLASS MARKET, BY COUNTRY, 2022–2027 ('000 SQUARE METERS)

TABLE 174 ASIA PACIFIC: AUTOMOTIVE GLASS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 175 ASIA PACIFIC: AUTOMOTIVE GLASS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

17.2.1 CHINA

17.2.1.1 Increasing market share of premium and luxury cars along with vehicle production to drive demand

TABLE 176 CHINA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 177 CHINA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027  
(‘000 SQUARE METERS)

TABLE 178 CHINA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021  
(USD MILLION)

TABLE 179 CHINA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027  
(USD MILLION)

#### 17.2.2 INDIA

##### 17.2.2.1 Growing demand for SUVs and MUVs

TABLE 180 INDIA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021  
(‘000 SQUARE METERS)

TABLE 181 INDIA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027  
(‘000 SQUARE METERS)

TABLE 182 INDIA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021  
(USD MILLION)

TABLE 183 INDIA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027  
(USD MILLION)

#### 17.2.3 JAPAN

##### 17.2.3.1 Growing production of sedans and luxury cars

TABLE 184 JAPAN: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021  
(‘000 SQUARE METERS)

TABLE 185 JAPAN: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027  
(‘000 SQUARE METERS)

TABLE 186 JAPAN: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021  
(USD MILLION)

TABLE 187 JAPAN: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027  
(USD MILLION)

#### 17.2.4 SOUTH KOREA

17.2.4.1 Developments in autonomous vehicles to boost demand for smart  
windshields and rearview mirrors

TABLE 188 SOUTH KOREA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE,  
2018–2021 (‘000 SQUARE METERS)

TABLE 189 SOUTH KOREA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE,  
2022–2027 (‘000 SQUARE METERS)

TABLE 190 SOUTH KOREA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE,  
2018–2021 (USD MILLION)

TABLE 191 SOUTH KOREA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE,  
2022–2027 (USD MILLION)

#### 17.2.5 REST OF ASIA PACIFIC

##### 17.2.5.1 Localization of vehicle production to boost market

TABLE 192 REST OF ASIA PACIFIC: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 193 REST OF ASIA PACIFIC: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 194 REST OF ASIA PACIFIC: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 (USD MILLION)

TABLE 195 REST OF ASIA PACIFIC: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 (USD MILLION)

### 17.3 EUROPE

FIGURE 45 EUROPE: AUTOMOTIVE GLASS MARKET, 2022 VS. 2027 (USD MILLION)

TABLE 196 EUROPE: AUTOMOTIVE GLASS MARKET, BY COUNTRY, 2018–2021 ('000 SQUARE METERS)

TABLE 197 EUROPE: AUTOMOTIVE GLASS MARKET, BY COUNTRY, 2022–2027 ('000 SQUARE METERS)

TABLE 198 EUROPE: AUTOMOTIVE GLASS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 199 EUROPE: AUTOMOTIVE GLASS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

#### 17.3.1 FRANCE

##### 17.3.1.1 Presence of premium and luxury vehicles

TABLE 200 FRANCE: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 201 FRANCE: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 202 FRANCE: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 (USD MILLION)

TABLE 203 FRANCE: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 (USD MILLION)

#### 17.3.2 GERMANY

##### 17.3.2.1 Government mandates for safety standards

TABLE 204 GERMANY: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 205 GERMANY: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 206 GERMANY: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 (USD MILLION)

TABLE 207 GERMANY: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 (USD MILLION)

### 17.3.3 ITALY

#### 17.3.3.1 Government mandates for safety standards

TABLE 208 ITALY: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 209 ITALY: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 210 ITALY: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 (USD MILLION)

TABLE 211 ITALY: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 (USD MILLION)

### 17.3.4 SPAIN

#### 17.3.4.1 Increasing production of passenger cars and LCVs

TABLE 212 SPAIN: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 213 SPAIN: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 214 SPAIN: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 (USD MILLION)

TABLE 215 SPAIN: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 (USD MILLION)

### 17.3.5 UK

#### 17.3.5.1 Localization of automobile industry and demand for premium and luxury cars

TABLE 216 UK: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 217 UK: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 218 UK: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 (USD MILLION)

TABLE 219 UK: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 (USD MILLION)

### 17.3.6 REST OF EUROPE

#### 17.3.6.1 Increasing demand for vehicles

TABLE 220 REST OF EUROPE: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 221 REST OF EUROPE: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 222 REST OF EUROPE: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 (USD MILLION)

TABLE 223 REST OF EUROPE: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE,



2022–2027 (USD MILLION)

17.4 NORTH AMERICA

FIGURE 46 NORTH AMERICA: AUTOMOTIVE GLASS MARKET SNAPSHOT

TABLE 224 NORTH AMERICA: AUTOMOTIVE GLASS MARKET, BY COUNTRY, 2018–2021 ('000 SQUARE METERS)

TABLE 225 NORTH AMERICA: AUTOMOTIVE GLASS MARKET, BY COUNTRY, 2022–2027 ('000 SQUARE METERS)

TABLE 226 NORTH AMERICA: AUTOMOTIVE GLASS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 227 NORTH AMERICA: AUTOMOTIVE GLASS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

17.4.1 CANADA

17.4.1.1 Demand for advanced vehicles and premium cars

TABLE 228 CANADA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 229 CANADA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 230 CANADA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 (USD MILLION)

TABLE 231 CANADA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 (USD MILLION)

17.4.2 MEXICO

17.4.2.1 Government regulations to increase domestic production

TABLE 232 MEXICO: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 233 MEXICO: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 234 MEXICO: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 (USD MILLION)

TABLE 235 MEXICO: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 (USD MILLION)

17.4.3 US

17.4.3.1 Production of SUVs and pickup trucks to boost market

TABLE 236 US: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 237 US: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 238 US: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 (USD MILLION)

TABLE 239 US: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 (USD MILLION)

17.5 REST OF THE WORLD

FIGURE 47 ROW: AUTOMOTIVE GLASS MARKET, 2022 VS. 2027 (USD MILLION)

TABLE 240 ROW: AUTOMOTIVE GLASS MARKET, BY COUNTRY, 2018–2021 ('000 SQUARE METERS)

TABLE 241 ROW: AUTOMOTIVE GLASS MARKET, BY COUNTRY, 2022–2027 ('000 SQUARE METERS)

TABLE 242 ROW: AUTOMOTIVE GLASS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 243 ROW: AUTOMOTIVE GLASS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

17.5.1 BRAZIL

17.5.1.1 Trade agreements with US boost Brazil's automobile production

TABLE 244 BRAZIL: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 245 BRAZIL: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 246 BRAZIL: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 (USD MILLION)

TABLE 247 BRAZIL: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 (USD MILLION)

17.5.2 RUSSIA

17.5.2.1 Increasing adoption of safety features by OEMs in Russia propels automotive glass demand

TABLE 248 RUSSIA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 249 RUSSIA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 250 RUSSIA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 (USD MILLION)

TABLE 251 RUSSIA: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 (USD MILLION)

17.5.3 TURKEY

17.5.3.1 Set up of manufacturing facilities by luxury automakers

TABLE 252 TURKEY: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021 ('000 SQUARE METERS)

TABLE 253 TURKEY: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027 ('000 SQUARE METERS)

TABLE 254 TURKEY: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2018–2021  
(USD MILLION)

TABLE 255 TURKEY: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE, 2022–2027  
(USD MILLION)

#### 17.5.4 OTHERS IN ROW

17.5.4.1 Increasing market share of high-end cars to propel demand

TABLE 256 OTHERS IN ROW: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE,  
2018–2021 ('000 SQUARE METERS)

TABLE 257 OTHER IN ROW: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE,  
2022–2027 ('000 SQUARE METERS)

TABLE 258 OTHERS IN ROW: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE,  
2018–2021 (USD MILLION)

TABLE 259 OTHERS IN ROW: AUTOMOTIVE GLASS MARKET, BY GLASS TYPE,  
2022–2027 (USD MILLION)

## 18 RECOMMENDATIONS BY MARKET SANDMARKETS

18.1 ASIA PACIFIC TO BE MAJOR MARKET FOR GLASS SOLUTIONS

18.2 TEMPERED GLASS ESTIMATED TO BE LARGEST MARKET IN TERMS OF  
VALUE

18.3 CONCLUSION

## 19 COMPETITIVE LANDSCAPE

19.1 OVERVIEW

19.2 KEY PLAYER STRATEGIES/RIGHT TO WIN

TABLE 260 COMPANIES ADOPTED ACQUISITION AS KEY GROWTH STRATEGY,  
2019–2021

19.3 REVENUE ANALYSIS OF TOP FIVE PLAYERS, 2019–2021

19.4 MARKET SHARE ANALYSIS

TABLE 261 MARKET STRUCTURE, 2022

FIGURE 48 MARKET SHARE ANALYSIS, 2021

19.5 COMPETITIVE LEADERSHIP MAPPING

19.5.1 STARS

19.5.2 EMERGING LEADERS

19.5.3 PERVASIVE PLAYERS

19.5.4 PARTICIPANTS

FIGURE 49 COMPETITIVE LEADERSHIP MAPPING: AUTOMOTIVE GLASS  
MANUFACTURERS

TABLE 262 AUTOMOTIVE GLASS MARKET: COMPANY FOOTPRINT

TABLE 263 COMPANY TECHNOLOGY FOOTPRINT

TABLE 264 COMPANY REGION FOOTPRINT (19 COMPANIES)

19.6 COMPETITIVE LEADERSHIP MAPPING: SMART GLASS MANUFACTURERS

19.6.1 STARS

19.6.2 EMERGING LEADERS

19.6.3 PERVASIVE PLAYERS

19.6.4 PARTICIPANTS

FIGURE 50 COMPETITIVE LEADERSHIP MAPPING: SMART GLASS  
MANUFACTURERS

TABLE 265 SMART GLASS MANUFACTURERS: COMPANY FOOTPRINT

TABLE 266 COMPANY INDUSTRY FOOTPRINT (SMART GLASS) (12 COMPANIES)

TABLE 267 COMPANY REGION FOOTPRINT (OFF-HIGHWAY) (12 COMPANIES)

19.7 COMPETITIVE SCENARIO

19.8 NEW PRODUCT LAUNCHES

TABLE 268 NEW PRODUCT DEVELOPMENTS, 2020–2022

19.9 AGREEMENTS, PARTNERSHIPS, COLLABORATIONS, AND JOINT VENTURES

TABLE 269 AGREEMENTS, PARTNERSHIPS, COLLABORATIONS, AND JOINT  
VENTURES, 2020–2022

## **20 COMPANY PROFILES**

(Business overview, Products/Solutions offered, Recent developments & MnM View)\*

20.1 KEY PLAYERS

20.1.1 COMPAGNIE DE SAINT-GOBAIN S.A.

TABLE 270 COMPAGNIE DE SAINT-GOBAIN S.A.: BUSINESS OVERVIEW

FIGURE 51 COMPAGNIE DE SAINT-GOBAIN S.A.: COMPANY SNAPSHOT

TABLE 271 COMPAGNIE DE SAINT-GOBAIN S.A.: PRODUCTS OFFERED

TABLE 272 COMPAGNIE DE SAINT-GOBAIN S.A.: DEALS

20.1.2 AGC INC.

TABLE 273 AGC INC.: BUSINESS OVERVIEW

FIGURE 52 AGC INC.: COMPANY SNAPSHOT

TABLE 274 AGC INC.: PRODUCTS OFFERED

TABLE 275 AGC INC.: NEW PRODUCT DEVELOPMENTS

20.1.3 FUYAO GLASS INDUSTRY GROUP CO., LTD.

TABLE 276 FUYAO GLASS INDUSTRY GROUP CO., LTD.: BUSINESS OVERVIEW

FIGURE 53 FUYAO GLASS INDUSTRY GROUP CO., LTD.: COMPANY SNAPSHOT

TABLE 277 FUYAO GLASS INDUSTRY GROUP CO., LTD.: PRODUCTS OFFERED

20.1.4 MOTHERSON SUMI SYSTEMS LIMITED

TABLE 278 MOTHERSON SUMI SYSTEMS LIMITED: BUSINESS OVERVIEW  
FIGURE 54 MOTHERSON SUMI SYSTEMS LIMITED: COMPANY SNAPSHOT  
TABLE 279 MOTHERSON SUMI SYSTEMS LIMITED: PRODUCTS OFFERED  
TABLE 280 MOTHERSON SUMI SYSTEMS LIMITED: EXPANSION

#### 20.1.5 WEBASTO GROUP

TABLE 281 WEBASTO GROUP: BUSINESS OVERVIEW  
FIGURE 55 WEBASTO GROUP: COMPANY SNAPSHOT  
TABLE 282 WEBASTO GROUP: PRODUCTS OFFERED  
TABLE 283 WEBASTO GROUP: NEW PRODUCT DEVELOPMENTS  
TABLE 284 WEBASTO GROUP: EXPANSION

#### 20.1.6 NIPPON SHEET GLASS CO., LTD.

TABLE 285 NIPPON SHEET GLASS CO., LTD: BUSINESS OVERVIEW  
FIGURE 56 NIPPON SHEET GLASS CO., LTD.: COMPANY SNAPSHOT  
TABLE 286 NIPPON SHEET GLASS CO., LTD.: PRODUCTS OFFERED  
TABLE 287 NIPPON SHEET GLASS CO., LTD.: EXPANSION

#### 20.1.7 GENTEX CORPORATION

TABLE 288 GENTEX CORPORATION: BUSINESS OVERVIEW  
FIGURE 57 GENTEX CORPORATION: COMPANY SNAPSHOT  
TABLE 289 GENTEX CORPORATION: PRODUCTS OFFERED  
TABLE 290 GENTEX CORPORATION: DEALS

#### 20.1.8 MAGNA INTERNATIONAL INC.

TABLE 291 MAGNA INTERNATIONAL INC.: BUSINESS OVERVIEW  
FIGURE 58 MAGNA INTERNATIONAL INC.: COMPANY SNAPSHOT  
TABLE 292 MAGNA INTERNATIONAL INC.: EXPANSION  
TABLE 293 MAGNA INTERNATIONAL INC.: DEALS

#### 20.1.9 CORNING INCORPORATED

TABLE 294 CORNING INCORPORATED: BUSINESS OVERVIEW  
FIGURE 59 CORNING INCORPORATED: COMPANY SNAPSHOT  
TABLE 295 CORNING INCORPORATED: PRODUCTS OFFERED

#### 20.1.10 CENTRAL GLASS CO., LTD.

TABLE 296 CENTRAL GLASS CO., LTD.: BUSINESS OVERVIEW  
FIGURE 60 CENTRAL GLASS CO., LTD.: COMPANY SNAPSHOT  
TABLE 297 CENTRAL GLASS CO., LTD.: PRODUCTS OFFERED

\*Details on Business overview, Products/Solutions offered, Recent developments & MnM View might not be captured in case of unlisted companies.

### 20.2 OTHER PLAYERS

#### 20.2.1 VITRO

TABLE 298 VITRO: BUSINESS OVERVIEW

#### 20.2.2 XINYI GLASS HOLDINGS LIMITED

TABLE 299 XINYI GLASS HOLDINGS LIMITED: BUSINESS OVERVIEW

20.2.3 ?I?ECAM

TABLE 300 ?I?ECAM: BUSINESS OVERVIEW

20.2.4 GAVISTA

TABLE 301 GAVISTA: BUSINESS OVERVIEW

20.2.5 AGP GROUP

TABLE 302 AGP GROUP: BUSINESS OVERVIEW

20.2.6 LTI SMART GLASS INC.

TABLE 303 LTI SMART GLASS INC.: BUSINESS OVERVIEW

20.2.7 VISION SYSTEMS - ARCHITECT OF INNOVATIONS

TABLE 304 VISION SYSTEMS - ARCHITECT OF INNOVATIONS: BUSINESS OVERVIEW

20.2.8 GAUZY LTD

TABLE 305 GAUZY LTD: BUSINESS OVERVIEW

20.2.9 KOCHHAR GLASS (INDIA) PVT. LTD

TABLE 306 KOCHHAR GLASS (INDIA) PVT. LTD: BUSINESS OVERVIEW

20.2.10 SOLIVER NV

TABLE 307 SOLIVER NV: BUSINESS OVERVIEW

## **21 APPENDIX**

21.1 INSIGHTS OF INDUSTRY EXPERTS

21.2 DISCUSSION GUIDE

21.3 KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

21.4 CUSTOMIZATION OPTIONS

21.4.1 AUTOMOTIVE GLASS MARKET, BY MATERIAL AT REGIONAL LEVEL

21.4.1.1 North America

21.4.1.2 Europe

21.4.1.3 Asia Pacific

21.4.1.4 RoW

21.4.2 ELECTRIC VEHICLE GLASS MARKET, BY VEHICLE TYPE & APPLICATION

21.4.2.1 Windshield

21.4.2.2 Sidelite/Backlite

21.4.2.3 Rear Quarter Glass

21.4.2.4 Sideview Mirror

21.4.2.5 Rearview mirror

21.4.3 ELECTRIC COMMERCIAL VEHICLE GLASS MARKET, BY VEHICLE TYPE & APPLICATION

21.4.3.1 Windshield

21.4.3.2 Sidelite/Backlite

21.4.3.3 Rear Quarter Glass

21.4.3.4 Sideview Mirror

21.4.3.5 Rearview Mirror

#### 21.4.4 AUTOMOTIVE GLASS AFTERMARKET, BY APPLICATION

21.4.4.1 Windshield

21.4.4.2 Sidelite/Backlite

21.4.4.3 Rear Quarter Glass

21.4.4.4 Sideview mirror

21.4.4.5 Rearview mirror

#### 21.4.5 AUTOMOTIVE GLASS AFTERMARKET, BY VEHICLE TYPE & GLASS TYPE

21.4.5.1 Laminated

21.4.5.2 Tempered

21.4.5.3 Others

#### 21.5 RELATED REPORTS

#### 21.6 AUTHOR DETAILS

## I would like to order

Product name: Automotive Glass Market by Type (Laminated, Tempered), Application (Windshield, Sidelite & Backlite, Side & Rearview Mirror), Smart Glass (Technology, Application), Vehicle Type (ICE & Electric), Material, Aftermarket and Region - Global Forecast to 2027

Product link: <https://marketpublishers.com/r/A1B0DDFC74EEN.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](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A1B0DDFC74EEN.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