

Automotive Plastics Market Size, Share & Trends Analysis Report By Product (Polypropylene, Polyvinyl Chloride), By Process (Injection Molding, Blow Molding), By Application, By Region, And Segment Forecasts, 2022 - 2030

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Abstracts

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Automotive Plastics Market Growth & Trends

The global automotive plastics market size is expected to reach USD 43.4 billion by 2030, according to a new report by Grand View Research, Inc. The market is expected to expand at a CAGR of 4.7% from 2022 to 2030. A rising preference for high-performance plastics to substitute conventional metals and rubber is expected to impel the market growth.

The COVID-19 pandemic negatively impacted automotive plastics manufacturers by halting automotive production and reducing vehicle demand due to global financial instability. The outbreak disturbed the entire automotive supply chain on a worldwide scale. Since the market for automobiles is entirely dependent on vehicle sales, this outbreak affected this market significantly. However, the market grew substantially in 2021 primarily due to the increased electric vehicle sales and is therefore expected to stimulate the market growth over the forecast period.

The polyurethane product segment is anticipated to witness significant growth over the forecast period owing to its ability to infuse the characteristics of both plastics and rubber at a lower weight compared to metal and other plastic materials. Increasing product demand from the automotive industry for use in refrigeration insulation, interior

trims, and seat cushioning is expected to boost product demand over the forecast period. In September 2021, Adient, a pioneer in automotive seating systems, and Covestor confirmed a strategic alliance. The company will integrate cardyon, a polyol made utilizing Covestro's CO2 technology as a self-sustaining material in the manufacturing of hot cure-shaped polyurethane foam utilized as cushioning in automotive seating systems.

The power train application segment is expected to witness the fastest growth over the forecast period. The rising application of plastics in powertrain engineering is expected to support market growth in the coming years. It helps the manufacturers of vehicles reduce weight and integrate complex parts, which ultimately boosts performance, delivers higher productivity, and saves cost. According to research conducted by E. I. du Pont de Nemours and Company, currently, plastics penetration stands at 110-120 kilograms per car depending on the engine size and region, while manufacturers are still exploring other new opportunities for the usage of plastics.

In Asia Pacific, the market is expected to register the fastest CAGR during the forecast period. The growing automotive industry, coupled with the rising population and increasing disposable income of middle-class families in the emerging economies of the region, is likely to be the primary driving factor in the coming years. Moreover, strong government support and initiatives and increasing investment by the government are propelling the growth of the automotive industry in the region, which, in turn, is anticipated to fuel the demand for the product in the region. In November 2021, the Indian Oil Corporation (IOC) and two other public sector oil companies declared plans to build 22,000 charging stations for electric vehicles over the next three to five years.

Automotive Plastics Market Report Highlights

Increasing integration of in-car entertainment and communication systems, engine electronics, advanced safety, and advanced driver-assistance systems is boosting the demand for electrical components application, which, in turn, is fueling the growth of the market in North America

The polypropylene product segment accounted for the largest revenue share of more than 30.0% in 2021 and is estimated to maintain its lead over the forecast period

The interior furnishings application segment is expected to be the largest segment over the forecast period owing to the rising product usage for interior

furnishings in automobiles including body and light panels, seat covers, steering wheels, and fascia systems

Various strategic initiatives were recorded over the past few years in order to boost the growth of the market. For instance, in May 2019, Covestro AG announced its plan to expand the production capacity of polycarbonate films at its Dormagen site in Germany. The site, which is expected to come on stream by the end of 2020, will manufacture PC films for applications such as automotive interiors, security cards, medical devices, and automotive displays

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Research Methodology
- 1.2 Research scope and assumptions
- 1.3 Information Procurement
 - 1.3.1 Purchased Database
 - 1.3.2 Gvr's Internal Database
 - 1.3.3 Secondary Sources
 - 1.3.4 Third Party Perspective
 - 1.3.5 Primary Research
- 1.4 Information Analysis
 - 1.4.1 Data Analysis Models
- 1.5 Market Formulation and Data Visualization
- 1.6 Data Validation and Publishing
- 1.7 List of Abbreviations

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market Snapshot
- 2.2 Segmental Outlook
- 2.3 Competitive Insights

CHAPTER 3 AUTOMOTIVE PLASTICS MARKET VARIABLES, TRENDS, & SCOPE

- 3.1 Market Lineage Outlook
 - 3.1.1 Global plastics market outlook
 - 3.1.2 Global automotive plastics market outlook
- 3.2 Penetration & Growth Prospect Mapping
- 3.3 Industry Value Chain Analysis
 - 3.3.1 Raw material trends
 - 3.3.2 Manufacturing trends
 - 3.3.3 Sales channel analysis
- 3.4 Regulatory Framework
- 3.5 Market Dynamics
 - 3.5.1 Market driver analysis
 - 3.5.2 Market restraint analysis
- 3.6 Business Environment Analysis: Automotive Plastics Market

3.6.1 Porter's five forces analysis

3.6.2 PESTEL analysis

CHAPTER 4 AUTOMOTIVE PLASTICS MARKET: PRODUCT ESTIMATES & TREND ANALYSIS

4.1 Automotive Plastics Market: Product movement analysis, 2021 & 2030

4.2 Acrylonitrile Butadiene Styrene (ABS)

4.2.1 Acrylonitrile Butadiene Styrene (ABS) automotive plastics market estimates and forecasts, 2017 - 2030 (Kilotons) (USD Million)

4.3 Polypropylene (PP)

4.3.1 Polypropylene (PP) automotive plastics market estimates and forecasts, 2017 - 2030 (Kilotons) (USD Million)

4.4 Polyurethane (PU)

4.4.1 Polyurethane automotive plastics market estimates and forecasts, 2017 - 2030 (Kilotons) (USD Million)

4.5 Polyvinyl Chloride (PVC)

4.5.1 Polyvinyl Chloride (PVC) automotive plastics market estimates and forecasts, 2017 - 2030 (Kilotons) (USD Million)

4.6 Polyethylene (PE)

4.6.1 Polyethylene (PE) automotive plastics market estimates and forecasts, 2017 - 2030 (Kilotons) (USD Million)

4.7 Polycarbonate (PC)

4.7.1 Polycarbonate (PC) automotive plastics market estimates and forecasts, 2017 - 2030 (Kilotons) (USD Million)

4.8 Polymethyl Methacrylate (PMMA)

4.8.1 Polymethyl Methacrylate (PMMA) automotive plastics market estimates and forecasts, 2017 - 2030 (Kilotons) (USD Million)

4.9 Polyamide (PA)

4.9.1 Polyamide (PA) automotive plastics market estimates and forecasts, 2017 - 2030 (Kilotons) (USD Million)

4.10 Others

4.10.1 Others automotive plastics market estimates and forecasts, 2017 - 2030 (Kilotons) (USD Million)

CHAPTER 5 AUTOMOTIVE PLASTICS MARKET: APPLICATION ESTIMATES & TREND ANALYSIS

5.1 Automotive Plastics Market: Application movement analysis, 2021 & 2030

5.2 Powertrain

5.2.1 Automotive plastics market estimates and forecasts, in powertrain, 2017 - 2030 (Kilotons) (USD Million)

5.2.2 Automotive plastics market estimates & forecast, in powertrain, by product, 2017 - 2030

5.3 Electrical components

5.3.1 Automotive plastics market estimates and forecasts, in electrical components, 2017 - 2030 (Kilotons) (USD Million)

5.3.2 Automotive plastics market estimates & forecast, in electrical components, by product, 2017 - 2030

5.4 Interior furnishings

5.4.1 Automotive plastics market estimates and forecasts, in interior furnishings, 2017 - 2030 (Kilotons) (USD Million)

5.4.2 Automotive plastics market estimates & forecast, in interior furnishings, by product, 2017 - 2030

5.5 Exterior furnishings

5.5.1 Automotive plastics market estimates and forecasts, in exterior furnishings, 2017 - 2030 (Kilotons) (USD Million)

5.5.2 Automotive plastics market estimates & forecast, in exterior furnishings, by product, 2017 - 2030

5.6 Under-the-hood components

5.6.1 Automotive plastics market estimates and forecasts, in under-the-hood components, 2017 - 2030 (Kilotons) (USD Million)

5.6.2 Automotive plastics market estimates & forecast, in under-the-hood components, by product, 2017 - 2030

5.7 Chassis

5.7.1 Automotive plastics market estimates and forecasts, in chassis, 2017 - 2030 (Kilotons) (USD Million)

5.7.2 Automotive plastics market estimates & forecast, in chassis, by product, 2017 - 2030

CHAPTER 6 AUTOMOTIVE PLASTICS MARKET: PROCESS ESTIMATES & TREND ANALYSIS

6.1 Automotive Plastics Market: Process movement analysis, 2021 & 2030

6.2 Injection Molding

6.2.1 Automotive plastics market estimates and forecasts, by injection molding, 2017 - 2030 (Kilotons) (USD Million)

6.3 Blow Molding

6.3.1 Automotive plastics market estimates and forecasts, by blow molding, 2017 - 2030 (Kilotons) (USD Million)

6.4 Thermoforming

6.4.1 Automotive plastics market estimates and forecasts, by thermoforming, 2017 - 2030 (Kilotons) (USD Million)

6.5 Others

6.5.1 Automotive plastics market estimates and forecasts, by other processes, 2017 - 2030 (Kilotons) (USD Million)

CHAPTER 7 AUTOMOTIVE PLASTICS MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

7.1 Regional Movement Analysis & Market Share, 2021 & 2030

7.2 North America

7.2.1 North America automotive plastics market estimates and forecasts, 2017 - 2030 (Kilotons) (USD Million)

7.2.2 North America automotive plastics market estimates and forecasts, by product, 2017 - 2030 (Kilotons) (USD Million)

7.2.3 North America automotive plastics market estimates and forecasts, by process, 2017 - 2030 (Kilotons) (USD Million)

7.2.4 North America automotive plastics market estimates and forecasts, by application, 2017 - 2030 (Kilotons) (USD Million)

7.2.5 U.S.

7.2.6 Canada

7.2.7 Mexico

7.3 Europe

7.3.1 Europe automotive plastics market estimates and forecasts, 2017 - 2030 (Kilotons) (USD Million)

7.3.2 Europe automotive plastics market estimates and forecasts, by product, 2017 - 2030 (Kilotons) (USD Million)

7.3.3 Europe automotive plastics market estimates and forecasts, by process, 2017 - 2030 (Kilotons) (USD Million)

7.3.4 Europe automotive plastics market estimates and forecasts, by application, 2017 - 2030 (Kilotons) (USD Million)

7.3.5 GERMANY

7.3.6 U.K.

7.3.7 FRANCE

7.3.8 ITALY

7.4 Asia Pacific

7.4.1 Asia Pacific automotive plastics market estimates and forecasts, 2017 - 2030 (Kilotons) (USD Million)

7.4.2 Asia Pacific automotive plastics market estimates and forecasts, by product, 2017 - 2030 (Kilotons) (USD Million)

7.4.3 Asia Pacific automotive plastics market estimates and forecasts, by process, 2017 - 2030 (Kilotons) (USD Million)

7.4.4 Asia Pacific automotive plastics market estimates and forecasts, by application, 2017 - 2030 (Kilotons) (USD Million)

7.4.5 China

7.4.6 India

7.4.7 Japan

7.4.8 Southeast Asia

7.5 Central & South America

7.5.1 Central & South America automotive plastics market estimates and forecasts, 2017 - 2030 (Kilotons) (USD Million)

7.5.2 Central & South America automotive plastics market estimates and forecasts, by product, 2017 - 2030 (Kilotons) (USD Million)

7.5.3 Central & South America automotive plastics market estimates and forecasts, by process, 2017 - 2030 (Kilotons) (USD Million)

7.5.4 Central & South America automotive plastics market estimates and forecasts, by application, 2017 - 2030 (Kilotons) (USD Million)

7.5.5 Brazil

7.6 Middle East & Africa

7.6.1 Middle East & Africa automotive plastics market estimates and forecasts, 2017 - 2030 (Kilotons) (USD Million)

7.6.2 Middle East & Africa automotive plastics market estimates and forecasts, by product, 2017 - 2030 (Kilotons) (USD Million)

7.6.3 Middle East & Africa automotive plastics market estimates and forecasts, by process, 2017 - 2030 (Kilotons) (USD Million)

7.6.4 Middle East & Africa automotive plastics market estimates and forecasts, by application, 2017 - 2030 (Kilotons) (USD Million)

CHAPTER 8 COMPETITIVE LANDSCAPE

8.1 Key global players along with the recent developments & their impact on the industry

8.2 Key Company/Competition Categorization

8.3 Plastic Companies Response to the COVID-19 Outbreak

8.4 Vendor Landscape

- 8.4.1 List of key distributors & channel partners
- 8.4.2 Key End-users (including IMD/IML service providers)
- 8.4.3 List of automotive OEM
- 8.5 Public companies
 - 8.5.1 Company market position analysis
 - 8.5.2 Competitive dashboard analysis
- 8.6 Market Differentiators
- 8.7 Strategy Analysis: Major Deals & Strategic Alliances
 - 8.7.1 COVESTRO AG
 - 8.7.1.1 Strategy
 - 8.7.1.2 analysis
 - 8.7.2 BOREALIS AG
 - 8.7.2.1 Strategy
 - 8.7.2.2 analysis

CHAPTER 9 COMPANY PROFILES

- 9.1 Akzo Nobel N.V.
 - 9.1.1 Company overview
 - 9.1.2 Financial Performance
 - 9.1.3 Product Benchmarking
 - 9.1.4 Strategic initiatives
- 9.2 BASF SE
 - 9.2.1 Company overview
 - 9.2.2 Financial Performance
 - 9.2.3 Product Benchmarking
 - 9.2.4 Strategic initiatives
- 9.3 Covestro AG
 - 9.3.1 Company overview
 - 9.3.2 Financial Performance
 - 9.3.3 Product Benchmarking
 - 9.3.4 Strategic initiatives
- 9.4 Evonik Industries AG
 - 9.4.1 Company overview
 - 9.4.2 Financial Performance
 - 9.4.3 Product Benchmarking
 - 9.4.4 Strategic initiatives
- 9.5 Adient plc (Spin-Off from Johnson Control International plc)
 - 9.5.1 Company overview

- 9.5.2 Financial Performance
- 9.5.3 Product Benchmarking
- 9.6 Magna International, Inc.
 - 9.6.1 Company overview
 - 9.6.2 Financial Performance
 - 9.6.3 Product Benchmarking
 - 9.6.4 Strategic initiatives
- 9.7 Momentive Performance Materials, Inc.
 - 9.7.1 Company overview
 - 9.7.2 Financial Performance
 - 9.7.3 Product Benchmarking
 - 9.7.4 Strategic initiatives
- 9.8 SABIC
 - 9.8.1 Company overview
 - 9.8.2 Financial Performance
 - 9.8.3 Product Benchmarking
 - 9.8.4 Strategic initiatives
- 9.9 Dow Inc.
 - 9.9.1 Company overview
 - 9.9.2 Financial Performance
 - 9.9.3 Product Benchmarking
 - 9.9.4 Strategic initiatives
- 9.10 Borealis AG
 - 9.10.1 Company overview
 - 9.10.2 Financial Performance
 - 9.10.3 Product Benchmarking
 - 9.10.4 Strategic initiatives
- 9.11 Hanwha Azdel Inc.
 - 9.11.1 Company overview
 - 9.11.2 Product Benchmarking
- 9.12 Grupo Antolin
 - 9.12.1 Company overview
 - 9.12.2 Financial Performance
 - 9.12.3 Product Benchmarking
 - 9.12.4 Strategic initiatives
- 9.13 Lear Corporation
 - 9.13.1 Company overview
 - 9.13.2 Financial Performance
 - 9.13.3 Product Benchmarking

- 9.13.4 Strategic initiatives
- 9.14 Owens Corning
 - 9.14.1 Company overview
 - 9.14.2 Financial Performance
 - 9.14.3 Product Benchmarking
- 9.15 Quadrant AG
 - 9.15.1 Company overview
 - 9.15.2 Product Benchmarking
- 9.16 Royal DSM N.V.
 - 9.16.1 Company overview
 - 9.16.2 Financial Performance
 - 9.16.3 Product Benchmarking
 - 9.16.4 Strategic initiatives
- 9.17 Teijin Limited
 - 9.17.1 Company overview
 - 9.17.2 Financial Performance
 - 9.17.3 Product Benchmarking

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