

Automotive plastics Market: Segmented by Materials (Polypropylene (PP), Polyurethane (PU), Polyvinylchloride (PVC), Polyamide (PA), Acrylonitrile Butadiene Styrene (ABS), High Density Polyethylene (HDPE), Polycarbonate (PC), Polybutylene Terephthalate (PBT) and Others); By End User (Interior, exterior, under bonnet and others); and Region – Global Analysis of Market Size, Share & Trends for 2019–2020 and Forecasts to 2030

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Abstracts

[173+Pages Research Report] Global Automotive plastics Market to surpass USD 42.73 billion by 2030 from USD 23.95 billion in 2020 at a CAGR of 7.1% in the coming years, i.e., 2021-30.

Product Overview

Automotive plastics are a type of synthetic material that is recyclable, sturdy, scratch-resistant, abrasion-resistant, reduces vibration and noise, and enables for the design, manufacturing, and integration of components in automobiles. Dashboards, fuel systems, bumpers, seats, liquid reservoirs, body panels, under-bonnet components, interior trim, electrical components, exterior trim, lighting, and upholstery are all examples of where automotive plastics are employed.

Market Highlights

Global Automotive plastics market is expected to project a notable CAGR of 7.1% in 2030.

Globally, the automotive sector's recovery increased vehicle design capabilities, and a growing focus on vehicle weight reduction and pollution control are driving the market for automotive plastics forward. Because of their ease of manufacture, ability to get renewable raw resources, and improved designs, plastics are frequently employed in automotive components and parts.

Global Automotive plastics: Segments

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

Global Automotive plastics market is segmented by materials into Polypropylene (PP), Polyurethane (PU), Polyvinylchloride (PVC), Polyamide (PA), Acrylonitrile Butadiene Styrene (ABS), High-Density Polyethylene (HDPE), Polycarbonate (PC), Polybutylene Terephthalate (PBT) and Others. Polypropylene (PP) segment held the largest market share in the year 2020. The rise in product demand from end-use industries such as packaging, electrical and electronics, construction, consumer items, and automotive can be ascribed to this expansion. Because of its physical and chemical qualities, polypropylene is used in both rigid and flexible packaging. Apart from that, it is chemically and electrically resistant at extremely high temperatures. Because PP is relatively light in comparison to other polymers, it is well suited for use in the automobile industry to assist reduce vehicle overall weight, hence lowering fuel consumption and carbon dioxide emissions.

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

Global Automotive plastics market is divided by end-user into Interior, exterior, under bonnet and others. Over the forecast period, the interior segment is projected to expand at the fastest pace. Over the forecast period, rising demand for automotive plastics in areas such as body and light panels, seat covers, steering wheels, seat bases, load floors, headliners, and rear package shelves and fascia systems is expected to boost the market.

Market Dynamics

Drivers

Rising demand for automobiles weight reduction and limited vehicle supply

The rise in demand for overall vehicle weight reduction, expansion of automotive plastics application areas, and increased vehicle design capabilities are driving the growth of the automotive plastics market. Furthermore, due to strict government rules

governing car emissions and limited vehicle supply, major automotive OEMs favor automotive plastics in their designs, fueling the expansion of the automotive plastics industry.

Advancements in plastics to provide opportunities

Additionally, throughout the forecast period, advancements in plastics such as blended thermoplastic materials, lightweight materials with perfect heat resistance and mechanical properties polymethyl methacrylate (PMMA), reinforced composites such as "GB 266 WG," and biodegradable plastics are expected to provide opportunities for manufacturers in the global market.

Restraint

Expensive design specification as well as production

A vehicle's design is crucial because it is subjected to a variety of external forces as well as the possibility of strong impacts. As a result, in order to maintain a vehicle's structural integrity, the materials employed in its manufacture become critical variables for safety and stability. Although they are less expensive than metals, their design specifications and production equipment are both quite expensive, which will be a barrier for industry participants.

Global Automotive plastics: Key Players

BASF SE

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

SABIC

Dow Inc.

AkzoNobel N.V.

Covestro AG

Evonik Industries AG

Borealis AG

Royal DSM N.V.

Magna International, Inc.

Teijin Limited

Other Prominent Players

Global Automotive plastics: Regions

Global Automotive plastics market is segmented based on regional analysis into five major regions. These include North America, Latin America, Europe, Asia Pacific, and the Middle East, and Africa. The market for Automotive plastics is dominated by APAC. Shifting manufacturing bases from industrialized regions to Asia Pacific emerging economies, particularly China, India, Thailand, Vietnam, and Indonesia, is predicted to drive market growth. Expanding the manufacturing base and growing expenditures in innovative technologies for vehicle production are predicted to usher in a new era of autos, which will have a beneficial impact on the automotive plastics industry.

Global Automotive plastics is further segmented by region into:

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

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

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

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

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

Global Automotive plastics report also contains analysis on:

Automotive plastics Segments:

By Materials

Polypropylene (PP)

Polyurethane (PU)

Polyvinylchloride (PVC)

Polyamide (PA)

Acrylonitrile Butadiene Styrene (ABS)

High-Density Polyethylene (HDPE)

Polycarbonate (PC)

Polybutylene Terephthalate (PBT)

Others

By End-User

Interior

Exterior

Under Bonnet

Others

Automotive plastics Dynamics

Automotive plastics Size

Supply & Demand

Current Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraints

Automotive plastics Market Report Scope and Segmentation

Report Attribute Details

Market size value in 2020 USD 23.95 billion

Revenue forecast in 2030 USD 42.73 billion

Growth Rate CAGR of 7.1% from 2021 to 2030

Base year for estimation 2020

Quantitative units Revenue in USD million and CAGR from 2021 to 2030

Report coverage Revenue forecast, company ranking, competitive landscape, growth factors, and trends

Segments covered Material, end-user and Region

Regional scope North America; Europe; Asia Pacific; Latin America; Middle East & Africa (MEA)

Key companies profiled BASF SE, SABIC, Dow Inc., AkzoNobel N.V., Covestro AG, Evonik Industries AG, Borealis AG, Royal DSM N.V., Magna International, Inc., Teijin Limited, and Other Prominent Players

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**The above given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

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