

# Electric Vehicle Plastics - Global Market Outlook (2017-2023)

<https://marketpublishers.com/r/ED6AE7EE604EN.html>

Date: November 2017

Pages: 174

Price: US\$ 4,150.00 (Single User License)

ID: ED6AE7EE604EN

## Abstracts

Statistics MRC, are pleased to announce the latest publication of Global Electric Vehicle Plastics Market. Factors influencing the market growth are light-weight plastic applications, BEV as the contributor, environmental concerns regarding the requirement for electric vehicles and demand due to performance competency as compared to metal. Recycling of plastic materials, limited number of powertrain components in EV compared to conventional vehicles and high prices of composites are hindering the market growth.

Based on vehicle, Battery Electric Vehicle (BEV) requires maximum amount of plastic materials in order to make the vehicle light-weighted. Small manufacturers specialized in electric cars such as REVA, Duracar and Lumeneo generally opt for tubular chassis with plastic bodies, which are much lighter than steel bodies.

Based on material, polypropylene (PP) is widely used in electric vehicles. Honeycomb PP have a good flexibility and easy to form. This is also used to build floor component of electric vehicle. For example, Delphi and Ford have used Biaxially-Oriented Polypropylene (BOPP) film capacitors in inverter designs.

North America followed by Europe hold a significant share in the market due to increasing adoption of non-polluting vehicles. Asia-Pacific is projected to grow at the highest CAGR during the forecast period because China and Japan contribute significantly to the global sales.

Some of the key players in Global Electric Vehicle Plastics market are BASF SE, Covestro AG, E. I. du Pont de Nemours and Company, Eastman Chemical Company, Evonik industries AG, Lanxess AG, LyondellBasell Industries Holdings B.V., Mitsubishi

chemical holdings corporation, Rochling group, Saudi Arabia Basic Industries Corporation (SABIC), Solvay SA, Sumitomo Chemical Co., Ltd. and The Dow Chemical Company.

#### Materials Covered:

Acrylonitrile- Butadiene Styrene (ABS)

Polyamide (PA, Nylon 6/6, Nylon 6)

Polycarbonate (PC)

Polyethylene (PE)

Polypropylene (PP)

Polyurethane (PUR)

Polyvinyl Butyral (PVB)

Polyvinyl Chloride (PVC)

Acrylic (PMMA)

Polyoxymethylene (POM)

Polystyrene (PS)

Other Materials

#### Vehicles Covered:

Hybrid Electric Vehicle (HEV)

Plug-in hybrid Electric Vehicle (PHEV)

Battery Electric Vehicle (BEV)

### Applications Covered:

Exterior

Interior

Power Plant System

Transmission Systems

Others (Chassis)

### Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 7 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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**Note:** North America, Europe, Asia Pacific, South America and Middle East & Africa.

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