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Global Modified Plastics for New Energy Vehicles Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Modified Plastics for New Energy Vehicles market size is expected to reach $ 37991 million by 2032, rising at a market growth of 7.0% CAGR during the forecast period (2026-2032).

Modified plastics for new energy vehicles refer to functional polymer materials specifically used for pure electric vehicles, plug-in hybrid vehicles, extended range electric vehicles, and fuel cell vehicles. They mainly consist of modified polypropylene, modified polyamide, modified polycarbonate, modified polycarbonate alloy, modified polybutylene terephthalate, modified polyphenylene ether, modified polyoxymethylene, thermoplastic polyester elastomers, and flame-retardant thermoplastic elastomers. Through modification processes such as reinforcement, toughening, flame retardancy, heat resistance, weather resistance, low odor, low volatility, conductivity, anti-static, thermal insulation, low warpage, electrical trace resistance, and lightweighting, they meet the needs of new energy vehicles in terms of lightweighting, safety, range efficiency, electrical insulation, and thermal management. The requirements for durability and in car environmental protection are mainly applied to battery pack structural components, high-voltage connectors Charging interface, charging gun components, electronic control housing, motor peripheral components, thermal management pipelines, wire harness sheaths, interior and exterior decorations, lighting structural components, air conditioning ducts, and chassis protective components. In 2025, global Modified Plastics for New Energy Vehicles production reached approximately 7,056 K MT, with an average global market price of around US$ 3,180 per MT.

The growth core of the modified plastics for new energy vehicles comes from the material system reconstruction brought about by electrification. Traditional fuel vehicles

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mainly require lightweight, interior and exterior decoration, and engine compartment components, while new energy vehicles have added battery packs, high-voltage connectors, charging interfaces, electronic control systems, thermal management components, and a large number of electronic and electrical structural components, significantly increasing the value of flame-retardant, heat-resistant, insulating, trace resistant, thermally conductive insulation, and low warpage modified materials. With the popularization of 800 volt high-voltage platforms, fast charging, and liquid thermal management technologies, material companies need to strike a balance between safety, temperature resistance, dimensional stability, mechanical strength, long-term aging, and processing efficiency. The application space of high-performance modified polyamides, modified polycarbonate alloys, modified polybutylene terephthalate, modified polyphenylene ether, and flame-retardant thermoplastic elastomers will continue to expand. In the fields of interior and exterior, more emphasis is placed on low odor, low volatility, scratch resistance, spray free, high gloss, weather resistance, and low-carbon regeneration, promoting the upgrading of modified polypropylene and engineering plastics to higher quality.

This report studies the global Modified Plastics for New Energy Vehicles production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Modified Plastics for New Energy Vehicles and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Modified Plastics for New Energy Vehicles that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Modified Plastics for New Energy Vehicles total production and demand, 2021-2032, (Kilotons)
Global Modified Plastics for New Energy Vehicles total production value, 2021-2032, (USD Million)
Global Modified Plastics for New Energy Vehicles production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)
Global Modified Plastics for New Energy Vehicles consumption by region & country, CAGR, 2021-2032 & (Kilotons)
U.S. VS China: Modified Plastics for New Energy Vehicles domestic production, consumption, key domestic manufacturers and share
Global Modified Plastics for New Energy Vehicles production by manufacturer,

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production, price, value and market share 2021-2026, (USD Million) & (Kilotons)
Global Modified Plastics for New Energy Vehicles production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)
Global Modified Plastics for New Energy Vehicles production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Modified Plastics for New Energy Vehicles market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include BASF, Celanese, SABIC, Avient, RTP Company, Mitsubishi Chemical, Asahi Kasei, Toray Industries, Techno Compound, Covestro, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Modified Plastics for New Energy Vehicles market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Kilotons) and average price (US$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Modified Plastics for New Energy Vehicles Market, By Region:

United States

China

Europe

Japan

South Korea

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ASEAN

India

Rest of World

Global Modified Plastics for New Energy Vehicles Market, Segmentation by Type:

Modified PBT

Modified PET

Modified PA

Modified PP

Modified ABS

Modified PC

Other

Global Modified Plastics for New Energy Vehicles Market, Segmentation by Performance:

Reinforced Modified Plastic

Flame Retardant Modified Plastic

Heat-Resistant Modified Plastic

Others

Global Modified Plastics for New Energy Vehicles Market, Segmentation by Melt Flow Rate:

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Melt Flow Rate20 g/10min

Global Modified Plastics for New Energy Vehicles Market, Segmentation by Application:

Automotive Interior and Exterior Trim

Automotive Body and Roof Panels

Automotive Hood

Automotive Chassis

Charging Pile

Other

Companies Profiled:

BASF

Celanese

SABIC

Avient

RTP Company

Mitsubishi Chemical

Asahi Kasei

Toray Industries

Techno Compound

Covestro

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Lotte Chemical

Kingfa

Shanghai Pret Composites

Nanjing Julong Science & Technology

Dawn Polymer

Orinko Advanced Plastics

Guangdong Silver Technology

Qingdao Gon Technology

Guangdong National Science and Technology

Guangdong Polyrocks Chemical

Suzhou Hechang Polymeric Materials

Jiangsu Boiln Plastics

Key Questions Answered:
1. How big is the global Modified Plastics for New Energy Vehicles market?
2. What is the demand of the global Modified Plastics for New Energy Vehicles market?
3. What is the year over year growth of the global Modified Plastics for New Energy Vehicles market?
4. What is the production and production value of the global Modified Plastics for New Energy Vehicles market?
5. Who are the key producers in the global Modified Plastics for New Energy Vehicles market?
6. What are the growth factors driving the market demand?

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