

Plastic Compounding Market By Polymer Type (Polypropylene, Polyethylene, Polyvinyl Chloride, Polystyrene and Expanded Polystyrene, Polyethylene Terephthalate, Polyurethane, Acrylonitrile Butadiene Styrene, Other Polymers), By End Use (Packaging, Building and Construction, Automotive, Electrical and Electronics, Medical, Others): Global Opportunity Analysis and Industry Forecast, 2023-2032

Market Report | 2023-10-01 | 353 pages | Allied Market Research

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Report description:

The global plastic compounding market was valued at \$448.3 million in 2022, and is projected to reach \$781.3 million by 2032, growing at a CAGR of 5.7% from 2023 to 2032.

Plastic compounding is a process of transforming the characteristics of basic plastics and thermoplastics using a mixture of plastics and additives. Plastic compounds have superior physical properties such as wide range of conductivity, flame retardancy, wear resistance, and are light weight. These properties increase their demand in various automotive, building and construction, packaging and electrical & electronics and thus boosting the growth of the global plastic compounding market.

Growing population across the globe, rise in disposable income, and increase in consumer demand for packaged food have enhanced the packaging sector. For instance, according to a report published by the National Investment Promotion and Facilitation Agency, the packaging industry was worth over \$917 billion in 2019 and is expected to reach \$1.05 trillion by 2024, growing at a CAGR of 2.8%. Plastic compound products are used for making plastic containers, plastic wraps, films, and other products. Furthermore, an increase in awareness regarding hygienic and safe packaged foods has enhanced the demand for plastic compounds in the growing packaging industry. In addition, cost effective and associated chemical and mechanical properties of plastic compounds have enhanced manufacturers purchasing power for plastic compounds. This factor has escalated

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the demand for plastic compounds in the growing packaging industry during the forecast period.

□Plastic pollution is becoming one of the most pressing environmental issues these days, owing to its disposal, decomposition, toxic chemical constituents, and other factors. Several countries such as Taiwan, Bangladesh, the UK, and China have made efforts to ban the use of various plastic compounds polystyrene, epoxy, and other products. This has set back the key manufacturers from producing plastic compounds. Furthermore, the manufacturing process of plastic compounds involves the release of several toxic chemical constituents that damages the immune system of humans. This act as one of the restraining factors in the plastic compounds market. In addition, fluctuating prices of raw crude oil, petrochemical feedstock, natural resources, and others have hampered market growth. These factors restrain consumers from purchasing plastic compounds-based products; thus, hampering the growth of the plastic compounds market.

Factors such as increasing disposable income, technological upgrades, and spurring a rise in original equipment manufacturers (OEMs) have led the automotive sector to witness significant growth. For instance, according to a report published by India Brands Equity Foundation, domestic automobile production increased by a compound annual growth rate (CAGR) of 2.36% from 2016 to 20 with 26.36 million vehicles being manufactured in India in 2020. Plastic compounds possess excellent significant properties such as high mechanical strength, thermal resistance, chemical resistance, non-toxic, non-polluting, and corrosion resistance which makes them best suited for automotive applications. Compounded plastics are used for dashboard panels, door trims, and interior upholstery, offering durability and aesthetic appeal. Engine parts, bumpers, and other exterior components often utilize reinforced plastic compounds for strength and impact resistance. These factors together are anticipated to foster the growth of the composites market during the forecast period.

The plastic compounding market is segmented on the basis of polymer type, end use, and region. By polymer type, it is categorized into polypropylene (PP), polyethylene (PE), polyvinyl chloride (PVC), polystyrene (PS) and expanded polystyrene (EPS), polyethylene terephthalate (PET), polyurethane (PU), acrylonitrile butadiene styrene (ABS), and other polymers. On the basis of end use industry, it is divided into automotive, building & construction, packaging, electrical & electronics, medical, and others. Region-wise, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the plastic compounding market analysis from 2022 to 2032 to identify the prevailing plastic compounding market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the plastic compounding market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global plastic compounding market trends, key players, market segments, application areas, and market growth strategies.

Additional benefits you will get with this purchase are:

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- Supply Chain Analysis & Vendor Margins
- Upcoming/New Entrant by Regions
- Pain Point Analysis
- Regulatory Guidelines
- Historic market data
- Import Export Analysis/Data
- Market share analysis of players at global/region/country level
- Per Capita Consumption Trends
- Product Consumption Analysis

Key Market Segments

By Polymer Type

- Polypropylene
- Polyethylene
- Polyvinyl Chloride
- Polystyrene and Expanded Polystyrene
- Polyethylene Terephthalate
- Polyurethane
- Acrylonitrile Butadiene Styrene
- Other Polymers

By End Use

- Packaging
- Building and Construction
- Automotive
- Electrical and Electronics
- Medical
- Others

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- UK
- France
- Spain
- Italy
- Rest of Europe
- Asia-Pacific
- China
- Japan
- India

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- South Korea
- Australia
- Rest of Asia-Pacific
- LAMEA
- Brazil
- South Africa,
- Saudi Arabia
- Rest of LAMEA
- Key Market Players
- Covestro AG.
- Solvay
- SABIC
- Asahi Kasei Corporation
- Celanese Corporation
- BASF SE
- Avient Corporation.
- Kingfa Science & Technology (India) Limited
- DuPont
- LyondellBasell Industries Holdings B.V.

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