# Engineering Plastics Market by Type (Acrylonitrile Butadiene Styrene (ABS), Polyamide, Polycarbonate, Thermoplastic Polyester (PET & PBT), Polyacetal, and Fluoropolymer), End-use Industry, and Region - Global Forecast to 2030

Market Report | 2025-10-04 | 327 pages | MarketsandMarkets

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**Report description:**

The engineering plastics market is expected to reach USD 130.98 billion by 2030 from USD 107.17 billion in 2025, at a CAGR of 4.1% during the forecast period.

https://mnmimg.marketsandmarkets.com/Images/engineering-plastics-market-overview.webp

The engineering plastics industry will continue to experience consistent growth because industries are moving toward flexible, durable, and high-performance materials. Many manufacturing industries, such as consumer products, automotive, electrical & electronics, and medical devices, are adopting these high-performance polymers based on mechanical strength, thermal stability, chemical resistance, and dimensional stability. Regulatory authorities, such as the FDA, European Chemicals Agency (ECHA), and other local authorities, are implementing some stringent standards around the safety of materials, compliance with chemicals, and sustainability. Manufacturers are stepping up to the challenge with innovative engineering plastics that are high-purity, flame-retardant, and recyclable to satisfy the operating requirements of being more efficient and environmentally sustainable. New developments with reinforced polymers to create biocompatible materials, and advanced techniques for processing polymers improve performance outcomes of components while decreasing the volume of component material and the environmental impacts of components. Real-time monitoring of processes, additive manufacturing, and predictive simulation are all enabling fine-tuned optimization of material behavior when using engineering plastics for their applications. Moreover, the combination of speed and controllability of material formation and shaping, automating extrusion and molding systems using engineering plastics, allows for ongoing acceptance of engineering plastics that continue to meet the changing needs of industrial and consumer markets.

"Acrylonitrile butadiene styrene (ABS) accounted for the largest share of the engineering plastics market in 2024."
In 2024, ABS led the engineering plastics industry due to its widespread use in key market segments such as automotive, electrical & electronics, and consumer goods. ABS' mechanical strength, impact resistance, and molding flexibility made it suitable for a variety of uses and industries. ABS' lightweight and fuel-efficient properties have also made it widely popular in the automotive industry, which captured the largest share of end-use applications. ABS is also used in electrical housing, appliances, and 3D printing, demonstrating its versatility in industrial and consumer applications. Growing demand for sustainable and high-performance materials and polymer processing technology has strengthened ABS' market position. ABS will remain a market leader as sectors prioritize durability, cost-effectiveness, and design flexibility.

"Automotive & transportation segment accounted for the largest share of the engineering plastics market in 2024."
In 2024, the automotive & transportation industry experienced significant growth in the global market for engineering plastics with a focus on lightweight, high-performance, fuel-efficient vehicles. Polyamide, PEEK, PPS, and PC/ABS blends provided a multitude of parts in engine parts, under the hood parts, and electrical system components since they contain mechanical properties and thermal and chemical resistance. With the growth in popularity for electric and hybrid cars, engineered polymers could be extensively employed as a solution to provide improved performance, lighter vehicles, and fuel efficiency. Advancements in composite formulations, material modifications, and polymer designs will continue to enhance their application and useful life. Engineered plastics are important materials because the automotive and transportation industries exhibit the highest demand based on original equipment manufacturer (OEM) concern for sustainable, non-polluting, and increased fuel-efficiency regulations.
"Asia Pacific dominated the regional market for engineering plastics in 2024."
Asia Pacific led the engineering plastics market in 2024 due to growing industrialization, urbanization, and automotive, electrical and electronics, construction, and machinery expansion. China, Japan, India, and South Korea benefited from abundant raw materials, cheap manufacturing, and government assistance for industrial expansion. Polyamide, PEEK, and PPS were in high demand in the automobile industry for lightweight, fuel-efficient vehicles, while the electronics industry needed thermally stable and durable materials. Advances in polymer synthesis, material modification, and precision processing further improved performance and increased applications. Stricter environmental legislation, sustainability programs, and energy efficiency goals also spurred the use of sophisticated and environmentally friendly engineering plastics. Strategic investments and partnerships between local manufacturers strengthened manufacturing capacity, product quality, and technological leadership, cementing Asia Pacific's leadership in the engineering plastics market.
By Company Type: Tier 1: 25%, Tier 2: 42%, and Tier 3: 33%
By Designation: C-level Executives: 20%, Directors: 30%, and Other Designations: 50%
By Region: North America: 20%, Europe: 10%, Asia Pacific: 40%, South America: 10%, and Middle East & Africa 20%
Companies Covered: BASF (Germany), Covestro AG (Germany), Celanese Corporation (US), DuPont (US), Syensqo (Belgium), LG Chem (South Korea), SABIC (Saudi Arabia), Evonik Industries AG (Germany), Mitsubishi Chemical Group Corporation (Japan), and Envalior (Germany) are covered in the report.
The study includes an in-depth competitive analysis of these key players in the engineering plastics market, with their company profiles, recent developments, and key market strategies.
Research Coverage
This research report categorizes the engineering plastics market based on type (acrylonitrile butadiene styrene (ABS), polyamide, polycarbonate, thermoplastic polyester (PET & PBT), polyacetal, fluoropolymer, and other types) and end-use industry (automotive & transportation, consumer appliances, electrical & electronics, industrial & machinery, packaging, and other end-use industries). The report's scope covers detailed information regarding the drivers, restraints, challenges, and opportunities influencing the growth of the engineering plastics market. A detailed analysis of the key industry players has been done to provide insights into their business overview, products offered, and key strategies, such as product launches, partnerships, collaborations, mergers, acquisitions, and expansions, associated with the engineering plastics market. This report covers a competitive analysis of upcoming startups in the engineering plastics market ecosystem.
Reasons to Buy the Report
The report will offer the market leaders/new entrants with information on the closest approximations of the revenue numbers for

the overall engineering plastics market and the subsegments. This report will help stakeholders understand the competitive landscape, gain more insights into positioning their businesses better, and plan suitable go-to-market strategies. The report will help stakeholders understand the pulse of the market and provide them with information on key market drivers, restraints, challenges, and opportunities.
The report provides insights into the following points:
- Analysis of key drivers (growing demand for engineering plastics in lightweight automotive and electric vehicle applications, growth in electronics and electrical industries, and rising adoption of polyamide (PA 11 & PA 12) in 3D printing across key industries ), restraints (fluctuating raw material prices and competition from alternative materials and limited infrastructure), opportunities (growing demand for biocompatible engineering plastics in medical devices, development of high-performance specialty grades, and increasing demand in emerging economies), and challenges (balancing performance, sustainability, and processability and global trade uncertainties).
- Product Development/Innovation: Detailed insights into upcoming technologies, research & development activities, and product & service launches in the engineering plastics market.
- Market Development: Comprehensive information about profitable markets ? the report analyzes the engineering plastics market across varied regions.
- Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the engineering plastics market.
- Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players such as BASF (Germany), Covestro AG (Germany), Celanese Corporation (US), DuPont (US), Syensqo (Belgium), LG Chem (South Korea), SABIC (Saudi Arabia), Evonik Industries AG (Germany), Mitsubishi Chemical Group Corporation (Japan), and Envalior (Germany), among others.

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