

Polyamide Market by Type (Polyamide 6, Polyamide 66, Bio-Based & Specialty Polyamide), Application (Engineering Plastics (Automotive, Electrical & Electronics, Wire & Cable) and Fiber (Textile, Industrial, Carpet)), and Region - Global Forecast to 2030

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Report description:

The global polyamide market is projected to grow from USD 42.97 billion in 2025 to USD 53.62 billion by 2030, at a CAGR of 4.5% during the forecast period. The growing global automotive industry, fueled by rapid urbanization and increasing population, is significantly driving the demand for polyamides. As automotive manufacturers seek lightweight, durable, and heat-resistant materials to improve fuel efficiency. This rising adoption across both passenger and commercial vehicles is expected to further accelerate polyamide consumption worldwide.

<https://www.marketsandmarkets.com/Images/global-nylon-market-Overview.webp>

"By type, the polyamide 66 segment is expected to account for the second-largest market share during the forecast period." The polyamide 66 segment is expected to account for the second-largest share of the market in terms of value during the forecast period, primarily due to its superior mechanical strength, thermal resistance, and wear properties compared to other polyamides. Its high crystallinity and rigidity make it ideal for applications, especially in the automotive and electrical & electronics industries, where durability and heat resistance are critical. The growing demand for lightweight, high-performance materials in engine components, connectors, and under-the-hood parts continues to drive the adoption of polyamide 66.

"By application, the fiber segment will account for the second-largest share during the forecast period." The fiber segment is expected to account for the second-largest share of the polyamide market in terms of value and volume

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during the forecast period, driven by its extensive use in the textile, carpet, and other sectors. Polyamide fibers, especially nylon, are valued for their exceptional strength, elasticity, abrasion resistance, and lightweight nature, making them ideal for apparel, sportswear, and home furnishings. Additionally, industrial applications such as tire cords, ropes, and fishing nets also contribute significantly to demand. The increasing consumer preference for durable and performance-oriented fabrics continues to bolster the dominance of fiber in the global polyamide market.

"Europe will account for the second-largest share during the forecast period."

Europe is expected to account for the second-largest share of the polyamide market in terms of value during the forecast period, supported by its robust industrial base and strong demand from sectors such as automotive, electrical & electronics, and textiles. Countries such as Germany, France, the UK, Italy, and others are seeing rising interest in specialty and bio-based polyamides, particularly in lightweighting and thermal management applications. Advancements in processing techniques such as injection molding, extrusion molding, and fiber extrusion are further expanding the scope of polyamide use. As industries in Europe continue to prioritize efficiency, durability, and environmental compliance, the polyamide market is expected to maintain its momentum across various end-use sectors.

Profile break-up of primary participants for the report:

- By Company Type: Tier 1 - 65%, Tier 2 - 20%, and Tier 3 - 15%

- By Designation: Directors Level- 25%, Managers Level- 30%, and Others - 45%

- By Region: North America - 30%, Asia Pacific - 40%, Europe - 20%, Middle East & Africa - 7%, and South America - 3%

BASF (Germany), Envalior (Germany), Ascend Performance Materials (US), INVISTA (US), and LEALEA ENTERPRISE CO., LTD. (Taiwan) are some of the major players operating in the polyamide market. These players have adopted expansions, acquisitions, agreements, partnerships, and product launches to increase their market share and business revenue.

Research Coverage:

The report defines, segments, and projects the polyamide market based on type, application, and region. It provides detailed information about the key factors influencing market growth, such as drivers, restraints, opportunities, and challenges. It strategically profiles polyamide manufacturers, thoroughly analyzing their market shares and core competencies, and monitors and assesses competitive developments, such as product launches, acquisitions, agreements, and others.

Reasons to Buy the Report:

The report aims to assist market leaders and new entrants by providing close estimates of revenue figures in the polyamide market and its segments. It also helps stakeholders gain a deeper understanding of the market's competitive landscape, obtain insights to enhance their business positions, and develop effective go-to-market strategies. Additionally, it enables stakeholders to understand the market's pulse and offers information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

- Analysis of drivers (growing demand from the automotive sector, especially EVs, for weight reduction and improved stability, growing demand for electrical & electronic appliances), opportunities (investment and R&D in bio-based polyamides), restraints (availability of various substitutes), and challenges (fluctuating raw material prices, environmental risks associated with the use of plastics) influencing the growth of the polyamide market.

- Product development/innovation: Detailed insights on upcoming technologies and research & development activities in the polyamide market.

- Market Development: Comprehensive information about lucrative markets - the report analyses the polyamide market across varied regions.

- Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and

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investments in the polyamide market.

- Competitive Assessment: In-depth assessment of market shares, growth strategies, and product offerings of leading players such as BASF (Germany), Envalior (Germany), Ascend Performance Materials (US), INVISTA (US), and LEALEA ENTERPRISE CO., LTD. (Taiwan) in the polyamide market.

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