

# Polyamide Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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## Abstracts

The global polyamide market size reached US\$ 31.8 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 45.7 Billion by 2028, exhibiting a growth rate (CAGR) of 6% during 2023-2028.

Polyamide, or nylon, refers to a high-performance polymer that comprises repeated units in the molecular chain linked together by recurring amide groups. It can be procured naturally from wool and silk or can be processes synthetically through nylon, polyamide 6, and aramids. Polyamide possesses a broad range of features, such as high temperature, durability, abrasion, and tensile strength, low-gas permeability, and enhanced chemical and electrical resistance. On account of these properties, it is widely used as a key component for manufacturing switches, plugs, sockets, pumps, home textile materials, backpacks, coatings, and paintings. At present, polyamide is commercially available in bio and specialty polyamide types.

### Polyamide Market Trends:

The widespread adoption of polyamide over metal across the automotive sector to produce interior, structural, and technical components of vehicles can be attributed to the increasing need for lightweight, safe, durable, and economical plastics. Polyamides are extensively employed for manufacturing glass-reinforced plastic-based structural parts, air intake manifolds, airbag containers, cooling systems, and rock valve covers in automobiles, which, in turn, represents the key factor primarily driving the market growth. In line with this, the increasing awareness regarding the various beneficial properties of polyamide, including superior balance, low water absorption, and high chemical and heat abrasion, is further facilitating its incorporation in various electronic devices, such as bobbins, laptops, smartwatches, relays, and three-dimensional (3D) circuits for fabrication purposes. This is acting as another major growth-inducing factor.

Additionally, the rising environmental awareness amongst consumers has prompted manufacturers to invest in research and development (R&D) activities to introduce specialty and castor oil-based bio-polyamide, which is also contributing to the market growth. Apart from this, the increasing product application in the packaging, machinery, textiles, and consumer goods industry as a shielding material in trays and conveyer systems is positively stimulating the market growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global polyamide market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, application and end use industry.

#### Breakup by Type:

- Aliphatic Polyamides
- Aromatic Polyamides

#### Breakup by Application:

- Polyamide Fibers and Films
- Engineering Plastics

#### Breakup by End Use Industry:

- Automotive
- Electrical and Electronics
- Textile
- Construction
- Packaging
- Consumer Goods
- Others

#### Breakup by Region:

- North America
  - United States
  - Canada
- Asia-Pacific

China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Arkema S.A., Asahi Kasei Corporation, BASF SE, DuPont de Nemours Inc., Evonik Industries AG, Gujarat State Fertilizers & Chemicals Limited (GSFC), Huntsman International LLC, Koch Industries Inc., Koninklijke DSM N.V., Lanxess AG, Mitsubishi Chemical Corporation, Saudi Basic Industries Corporation (Saudi Arabian Oil Co.), Solvay S.A. and Toray Industries Inc.

#### Key Questions Answered in This Report

1. What was the size of the global polyamide market in 2022?
2. What is the expected growth rate of the global polyamide market during 2023-2028?
3. What are the key factors driving the global polyamide market?
4. What has been the impact of COVID-19 on the global polyamide market?
5. What is the breakup of the global polyamide market based on the type?
6. What is the breakup of the global polyamide market based on the application?
7. What is the breakup of the global polyamide market based on end use industry?
8. What are the key regions in the global polyamide market?

9. Who are the key players/companies in the global polyamide market?

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