

Polyamide Market Report by Type (Aliphatic Polyamides, Aromatic Polyamides), Application (Polyamide Fibers and Films, Engineering Plastics), End Use Industry (Automotive, Electrical and Electronics, Textile, Construction, Packaging, Consumer Goods, and Others), and Region 2024-2032

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Abstracts

The global polyamide market size reached US\$ 33.7 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 54.1 Billion by 2032, exhibiting a growth rate (CAGR) of 5.3% during 2024-2032.

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 processed 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 levels from 2024-2032. 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 2023?
2. What is the expected growth rate of the global polyamide market during 2024-2032?

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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