

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

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Abstracts

Market Overview:

The global caprolactam market size reached US\$ 16.0 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 21.2 Billion by 2028, exhibiting a growth rate (CAGR) of 4.88% during 2023-2028.

Caprolactam (C₆H₁₁NO) is a colorless organic compound that is widely used as a synthetic polymer for the manufacturing of nylon. It is synthesized by combining cyclohexane, phenol and toluene and is commonly used for the manufacturing of high-performance nylon textile, carpet, industrial yarns, engineering resins and films. It is also used for manufacturing brush bristles, film coatings, synthetic leather, plastics, plasticizers and lysine. Caprolactam exhibits high strength, elasticity and resistance to chemicals, oils and abrasion. It can also be combined with elastane fibers to add stretch-fit properties to the nylon, which is used for manufacturing casualwear and fashion apparel, swimwear, sportswear and hosiery.

Significant growth in the automotive and textile industries is one of the key factors driving the growth of the market. Owing to the growing demand for lightweight automobiles, heavy metal components are rapidly being replaced by lightweight caprolactam components to manufacture airbags, doors, windows, tire cords, gear and under the hood components. In addition to this, rapid industrialization across the globe is also providing a boost to the market growth. Caprolactam is widely used for manufacturing fishing nets, tarpaulins and packaging material with high mechanical, optical and low-permeable properties. Various product innovations, including the development of bio-based caprolactam and product variants with minimal traces of toxic ammonium sulfate, are further creating a positive outlook for the market growth. Other

factors, including extensive research and development (R&D) activities to enhance the cost-effectiveness of the product, along with rapid industrialization and rising expenditure capacities of the consumers, are projected to drive the market in the coming years.

Key Market Segmentation:

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

Breakup by Source:

- Cyclohexane
- Phenol
- Toluene
- Others

Breakup by End-Product:

- Nylon 6 Fibers
- Nylon 6 Resins
- Others

Breakup by Application:

- Industrial Yarns
- Engineering Resins and Films
- Textiles and Carpets
- 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

Imports and Exports:

Import Trends
Export Trends

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being AdvanSix Inc., Alpek S.A.B. de C.V., BASF SE, Capro Corporation, China Petrochemical Development Corporation, China Petrochemical Corporation (Sinopec), DOMO Chemicals GmbH, Gujarat State Fertilizers & Chemicals Limited, Koninklijke DSM N.V., LANXESS AG, Sumitomo Chemical Co., Ltd., Toray Industries Inc., Ube Industries, Ltd., etc.

Key Questions Answered in This Report

1. What is the global caprolactam market growth?
2. What are the global caprolactam market drivers?
3. What are the key industry trends in the global caprolactam market?
4. What is the impact of COVID-19 on the global caprolactam market?
5. What is the global caprolactam market breakup by end-product?

6. What is the global caprolactam market breakup by application?
7. What are the major regions in the global caprolactam market?
8. Who are the key companies/players in the global caprolactam market?

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