

Caprolactam Market is estimated to be US\$ 18.44 billion by 2030 with a CAGR of 3.5% during the forecast period

Caprolactam is an organic compound and it is made up of colorless solid lactam of caproic acid. It is commonly used for the production of synthetic fibers. Caprolactam can be produced from cyclohexane by oxidation, oximation and Beckmann rearrangement. And also, from phenol via cyclohexanone by hydrogenation. The nylon 6 which is used as catalyst is produced from caprolactam. Ammonia is the source in the preparation of caprolactam. Caprolactam is highly soluble in water. The increasing demand of lightweight and safe structure automobiles is the driving factor of the market. Another factor that increases the market capitalization is the increasing purchasing power of customers in the developing nations in fabrics industry, which in turn supports the demand for caprolactam used in fabric production. Moreover, replacement of metal parts with the plastic materials to achieve mass production that fuel the growth of this caprolactam market.

Region Analysis:

The Asia pacific region dominates the global caprolactam market attributed to the maximum consumers of caprolactam in Asia-Pacific region for various applications and macroeconomic growth of textile and automotive industry in the region. The APAC region is witnessing increased demand for luxury cars due to the increase in the purchasing power of consumers. This in turn led to increased polyamide 6 demand in this area. Prices for caprolactam are expected to rise because of the stringent laws imposed by the Government of China.

Key Development:

- In 2020, Fibrant the global manufacturer of Caprolactam, they introduce new generation low carbon footprint known as EcoLactam.
- In 2021, Bruggeman GmbH & Co. increased their research and development in the area of anionic polymerization.
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Segmentation:

The Global Caprolactam Market accounted for US\$ 13.1 billion in 2020 and is estimated to be US\$ 18.44 billion by 2030 and is anticipated to register a CAGR of 3.5%. The Global Caprolactam Market is segmented by raw material, type, product, application and region.

- By raw material, the Global Caprolactam Market is segmented into Cyclohexane/Benzene, Phenol and Toluene, Ammonia, and Others
- By type, the Global Caprolactam Market is classified into Solid and Liquid
- By product, the Global Caprolactam Market is classified into Polymer Chip, Nylon 6 resins and film, Nylon 6 Fibers and Others
- By application, the Global Caprolactam Market is further divided into Fiber, Engineering Plastics and Others
- By region, Asia-Pacific is expected to account for major revenue share in Global Caprolactam Market, followed by other regions.

Competitive Analysis:

The key players operating in the global caprolactam market includes Koninklijke DSM N.V., Honeywell International Inc., Ube Industries Ltd., BASF SE, Capro Corporation, China Petrochemical Development Corporation, OSTCHEM, Braskem SA, DOMO Caproleuna GmbH, and Sumitomo Chemical Co. Ltd.