



## Market Analytics: Acrylonitrile - 2023

**Market Analytics: Acrylonitrile - 2023** is one in a series of reports published as part of NexantECA's Markets & Profitability program.

Market Analytics: Acrylonitrile - 2023 report provides an in-depth analysis of the following products :

- Acrylonitrile

*Published: December 2023*

Along with the written report, NexantECA's Online Database includes supply, demand and trade analysis for 40 countries and global capacity listings updated on a monthly basis.

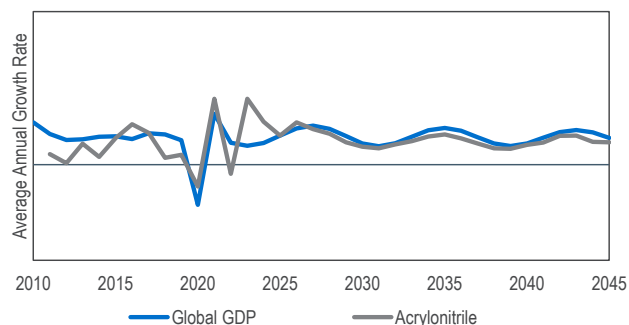
### Report Abstract:

Acrylonitrile (ACN) is a petrochemical intermediate, traditionally used as a monomer or comonomer for synthetic fibres, as well as a constituent of certain important plastics and elastomer products.

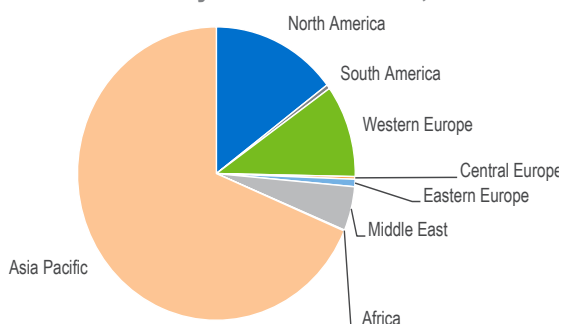
The majority of acrylonitrile is produced via the propylene ammoxidation process. However, over the last decade, propylene shortages and increasing propylene prices have encouraged producers to develop alternative routes. As a result, the first plant manufacturing acrylonitrile from propane feedstock started up in 2011.

Growth in acrylonitrile consumption is mainly driven by the ABS market, which in turn depends on the automotive and consumer goods sector such as appliances. Growth is typically more volatile than GDP growth since demand depends heavily on durable consumer goods, which are more elastic than GDP. Therefore, around peak and trough periods in the GDP cycle, demand for acrylonitrile tends to fluctuate by a greater degree than the underlying economic activity.

**Global Acrylonitrile Consumption Growth**  
million tons



**Global Acrylonitrile Demand, 2023**



Demand will also be supported by new acrylamide and NBL plants commercialised in China, South Korea, Malaysia, and India. Carbon fibre will experience strong growth as it is in continuous development with enormous potential. The acrylic fibre sector continues to suffer from competition with lower-cost fibres and a maturing downstream market.

Asia Pacific is the largest consumer of acrylonitrile, and has the highest growth rates due to increased usage for derivative production in China. China's acrylonitrile growth rates have always been positive and generally stayed above global consumption rates. China has contributed more than 60 percent of demand in the region in 2023.



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### Appendix

- A. Methodology
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Chapter 5 is segmented by key region:

- North America
- South America
- Western Europe
- Central Europe
- Eastern Europe
- Middle East
- Africa
- Asia Pacific

Each region/country is further segmented by:

- **Consumption:** Assesses historic and forecast consumption; forecasts are based on projections of end use and economic activity.
- **Supply:** Includes a list of all producers, their production capacity, location, etc., and discussion of the status of new projects.
- **Supply, Demand and Trade:** Provides historical analysis and forecasts to 2045 of consumption, production, imports/exports, inventory build-up/decline, capacity and capacity utilization.

This analysis will identify the issues shaping the industry, as well as provide an independent appraisal of the market.

For related analysis, please refer to:

[Profitability and Price Forecasts: Acrylonitrile Quarterly Business Analysis](#)

## Subscription Details:

Subscription to **Market Analytics: Acrylonitrile - 2023** includes:

- 12 month access via the NexantECA website, to:
  - Unlimited downloads of PDF reports
  - Downloadable data in Excel from the Online Database
- Webinar
- Consultation time with the project team

Customized subscriptions are also available.

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