



Market Analytics: Vinyls - 2023

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

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

- EDC
- PVC
- VCM

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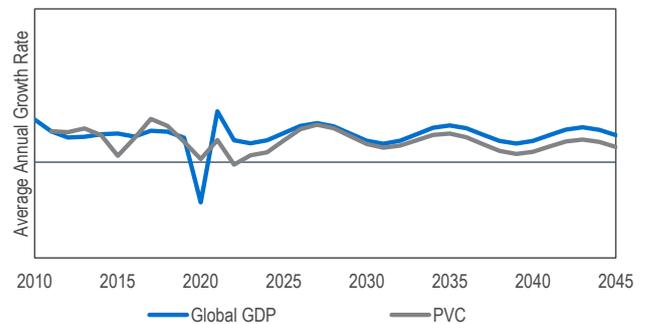
Along with the written report, NexantECA's Online Database includes supply, demand and trade analysis for 40 countries and global capacity listings updated on a monthly basis.

Report Abstract:

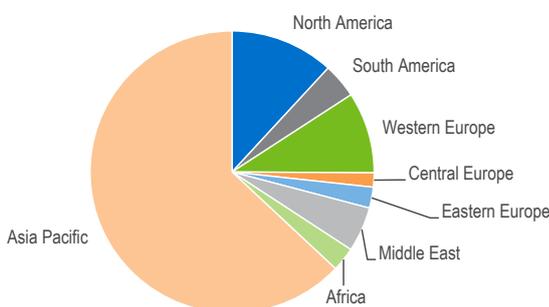
The basis of the vinyls chain is the chlor-alkali industry, which provides the chlorine for ethylene di-chloride (EDC) production, and the by-product caustic soda. Chlorine is extremely hazardous to transport, and therefore EDC production is mainly co-located with chlorine. The chlor-alkali industry is a huge consumer of electrical power and the availability of competitive power pricing, along with the availability of ethylene, are the principal factors determining where EDC plants are located. The proximity of off takers for the caustic soda by-product (such as alumina producers) is another important consideration in the location of chlor alkali plants.

The major uses of PVC are in the construction industry, which tends to track regional GDP growth. This relationship will remain valid in the future and higher GDP growth in regions such as Asia will make these markets progressively larger relative to the slower growth in developed regions.

Global PVC Consumption Growth
million tons



Global PVC Demand, 2023



The rigid pipe market represents nearly 40 percent of global PVC demand, and PVC has vigorously defended its competitive position against traditional construction materials such as cast iron, clay and asbestos. In developing countries, PVC is commonly the only material of choice due to the ease and ability to establish low cost PVC pipe extrusion operations rather than more capital intense facilities for alternative pipe materials.

PVC has proved successful as a siding (i.e. cladding) material in preference to wood because of its low maintenance requirement. PVC is less energy intensive and quieter in use than aluminium. Vinyl siding does not dent, warp, crack, or support rot or mildew. Vinyl's inherent electrical resistance and flame resistance give added measures of safety over aluminium and wood respectively. PVC is also popular for window and door profiles because it provides better sound and heat insulation, as well as being air-and-water-tight. Therefore, PVC is more popular in the regions, which have relatively high or low temperatures.



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Table of Contents:

1. Executive Summary
2. Introduction
3. The Vinyls Industry
4. EDC
5. VCM
6. PVC

Appendix

- A. Methodology
- B. Technology

Chapter 6 is segmented by key region:

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

Subscription Details:

Subscription to **Market Analytics: Vinyls - 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.

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: Vinyls Quarterly Business Analysis](#)

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