



Market Insights: Polyoxymethylene (POM) – 2023

Market Insights: Polyoxymethylene (POM) – 2023 is one in a series of reports published as part of NexantECA Markets & Profitability program.

NexantECA's Market Insights report provides a comprehensive review of the global POM market, and includes:

- Discussion regarding key market drivers and constraints for each region
- Supply, demand trade for nine regions: North America, South America, Western Europe, Central Europe, Eastern Europe, Middle East, Africa, Asia Pacific, and China
- End-use analysis includes: electrical and electronics, consumer goods, automotive, industrial and machinery and other
- Competitiveness analysis, including competitive landscape, who's who of suppliers and cost competitiveness
- Price history and forecast with commentary regarding latest trends
- Forecast period: history to 2015 and forecast to 2035

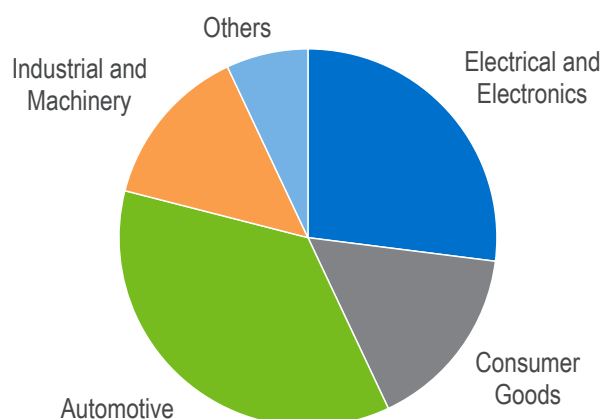
Along with the written report, data is provided in Excel including global capacity listings.

Report Abstract:

Polyformaldehyde (the homopolymer of polyacetal) is a thermally unstable material that decomposes on heating to yield formaldehyde gas. Two methods of stabilizing polyformaldehyde for use as an engineering polymer were developed and introduced by DuPont in 1959 and Celanese in 1962. DuPont's route to a stable polyacetal involves acetylation of the terminal hydroxyl groups of polyformaldehyde using acetic acid or acetic anhydride. The acetate ester end groups prevent initiation of the thermal depolymerization or unzipping of the polyformaldehyde. The Celanese route for the production of polyacetal yields a more stable copolymer product via the copolymerization of trioxane, the cyclic trimer of formaldehyde, and a cyclic ether (e.g., ethylene oxide or 1,3-dioxolane). POM is commercially available in homopolymer and copolymer types.

Typical applications for POM include small gear wheels, eyeglass frames, ball bearings, ski bindings, fasteners, guns, knife handles and lock systems. POM can be easily machined with CNC (Computer Numerical Control). The spectrum of grades within POM, each designed and engineered to cater for different needs, are utilized in a wide range of applications. In this report, the applications are categorized into electrical and electronics, consumer goods, automotive, industrial and machinery, and others

Global POM Demand by End Use



POM pricing and margins are reviewed and a delivered cost analysis is performed for the major regional suppliers.

For more information, please visit www.NexantECA.com

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Each region section in Chapter 3 includes:

- Market Overview
- Market Drivers
- Market Constraints
- Competitive Landscape
- Supply and Demand

Report License Details:

Access to **Market Insights: POM - 2023** is via a report license agreement and includes:

- 12 month access to the PDF report via NexantECA website, with unlimited downloads of PDF reports
- Excel file
- Consultation time with the project team

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The **Markets and Profitability** program tracks over 60 feedstocks, petrochemicals, polymers, chemical intermediates and fertilizers on an ongoing basis and provides regularly updated reports covering all commercial aspects of these global industries. The accompanying database, provides global analysis and forecasts in two major inter-related areas: **Markets and Profitability**.

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