

Polyamide Resins (Non-Nylon Types)

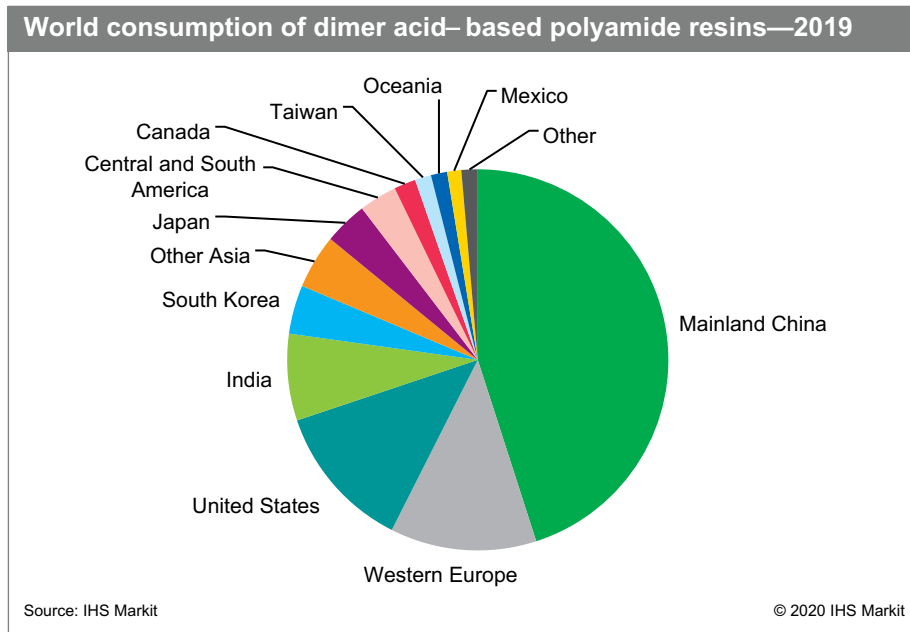
15 May 2020

Abstract

There are two basic types of polyamide (non-nylon) resins: dimer acid-based (DAB) polyamides and polyamide-epichlorohydrin (PAE) resins. The DAB polyamides can be either reactive or nonreactive. Consumption of reactive DAB polyamides is largely dependent on use of epoxy resins use in anticorrosion coatings, flooring, and various adhesives applications. Most growth will come from Asia Pacific, mainly in mainland China and India. Only modest growth is expected in the more mature regions.

Nonreactive DAB polyamides are mainly consumed in printing inks and hot-melt adhesives. Use is mainly in flexographic inks to enhance certain properties, especially in flexible packaging applications. Growth is expected mainly in mainland China and other developing regions. Use in hot-melt adhesives include assembly of durable goods like shoes, electronics and automotive parts.

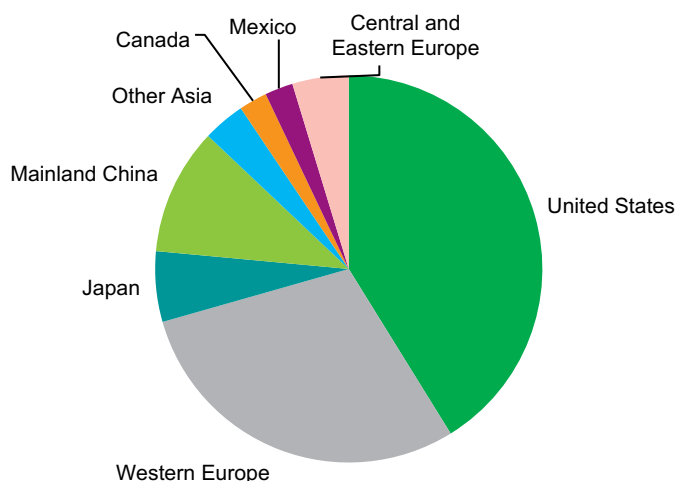
The following pie charts show world consumption of DAB polyamide resins and polyamide-epichlorohydrin (PAE) resins for 2019:



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World consumption of polyamide-epichlorohydrin resins—2019



Source: IHS Markit

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PAE resins are used primarily by the paper industry to increase the wet strength of towels/wipes, facial tissues, and other products. Use will grow modestly in most regions of the world, but in mainland China use will grow by 6–7% annually. Consumption of PAE resins will grow in other parts of Asia as papermakers continue to shift away from non-formaldehyde-containing wet-strength additives like urea-formaldehyde resins. Producers are developing PAE resins with lower levels of by-products to decrease the environmental impact of paper mills on waterways.

For more detailed information, see the table of contents, shown below.

IHS Markit's Chemical Economics Handbook – Polyamide Resins (Non-nylon types) is the comprehensive and trusted guide for anyone seeking information on this industry. This latest report details global and regional information, including



Global summary;
regional coverage



Producers with
annual capacities
and plant sites



Production figures
and trends



Consumption and
forecasts by end use
application



Manufacturing
processes and
environmental issues



Trade – imports
and exports

Key benefits

IHS Markit's Chemical Economics Handbook – Polyamide Resins (Non-nylon types) has been compiled using primary interviews with key suppliers and organizations, and leading representatives from the industry in combination with IHS Markit's unparalleled access to upstream and downstream market intelligence and expert insights into industry dynamics, trade, and economics.

This report can help you

- Identify trends and driving forces influencing chemical markets
- Forecast and plan for future demand

- Understand the impact of competing materials
- Identify and evaluate potential customers and competitors
- Evaluate producers
- Track changing prices and trade movements
- Analyze the impact of feedstocks, regulations, and other factors on chemical profitability

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