

# Melamine

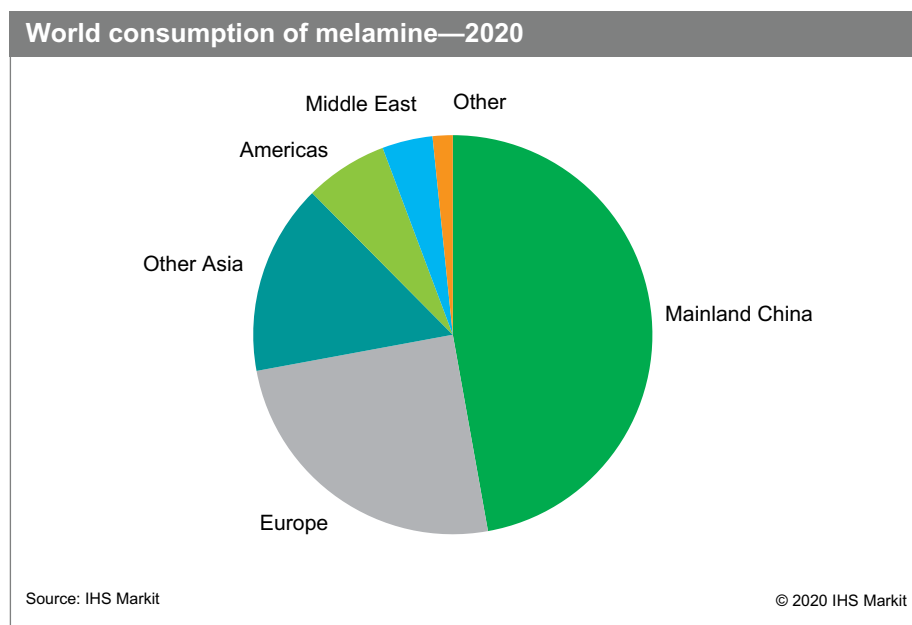
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## Abstract

The properties of melamine resin provide product advantages. These properties include abrasion, chemical, physical, and thermal resistance; hardness; and the ability to combine with other chemicals to make melamine resins with good handling and molding properties. The high nitrogen content of melamine resin also provides fire-retardant properties. The major end-use markets for melamine includes construction/remodeling, automotive production, and original equipment manufacture (OEM). Thus, demand is influenced largely by general economic conditions.

More than 70% of global melamine consumption is for laminates and wood adhesives production. Laminates are found in products such as furniture, floors, kitchen cabinets and countertops, and walls. Wood adhesives based on melamine are found in a number of wood products including medium-density fiberboard (MDF), particleboard, and plywood. Melamine-modified wood adhesives improve the durability and moisture resistance of the final woodboard.

The following pie chart shows world consumption of melamine:



Overall, economic performance will continue to be the best indicator of future demand for melamine. Demand in most downstream markets is greatly influenced by general economic conditions. As a result, demand largely follows the patterns of the leading world economies. The major end-use markets include construction/remodeling, automotive production, and original equipment manufacture.

## Contacts

Maria deGuzman • [Maria.deguzman@ihsmarkit.com](mailto:Maria.deguzman@ihsmarkit.com)

During the last few years, melamine consumption has increased as global economies have improved and melamine end-use industries such as housing, construction, and automotive have continued to grow. However, in 2020, melamine consumption will decline from 2019 levels because of COVID-19 and the resulting negative effect on the global economy and on melamine end-use industries such as construction and automotive. In general, melamine consumption is expected to recover slightly in 2021, and will experience modest or limited growth in the years thereafter, depending on different regions of the world. Global melamine consumption growth is expected to be 3.5% per year during 2020-25.

The modest global growth will be driven by mainland China, which accounts for nearly half of world melamine consumption, as well as almost three-fourths of total world capacity. Relatively stronger growth will also take place in other parts of Asia, such as the Indian Subcontinent and Southeast Asia. Modest growth is expected for other regions of the world including the Middle East, Central and Eastern Europe, North America, and Central and South America. More limited growth is expected in Western Europe and Japan.

The largest global melamine producers are in mainland China and Europe; most major producers operate in only one region or country. There are a number of small to mid-sized producers that meet their own captive requirements.

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

**IHS Markit's Chemical Economics Handbook – Melamine** 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 – Melamine** 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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## IHS Markit Customer Care

CustomerCare@ihsmarkit.com

Americas: +1 800 IHS CARE (+1 800 447 2273)

Europe, Middle East, and Africa: +44 (0) 1344 328 300

Asia and the Pacific Rim: +604 291 3600

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