

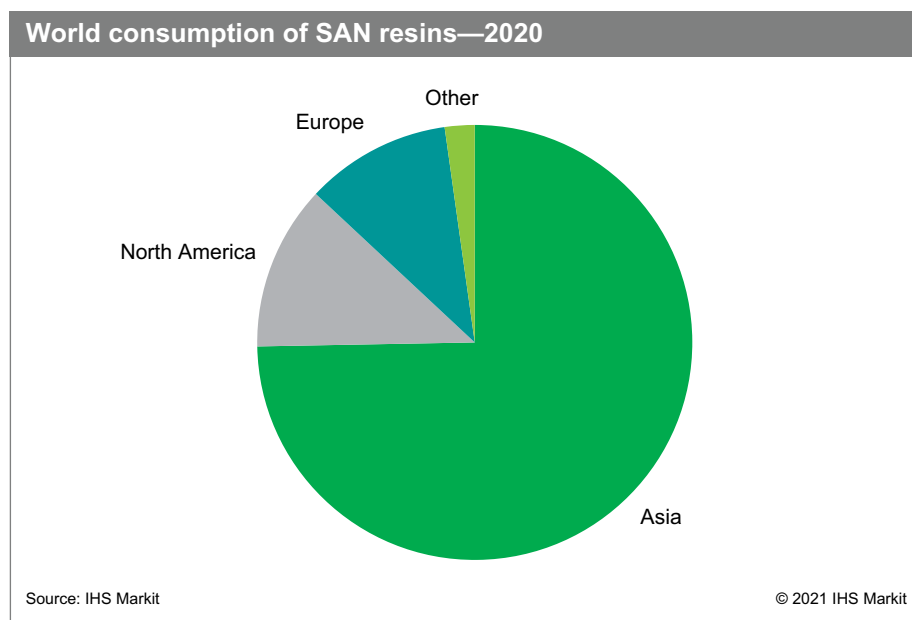
Styrene Acrylonitrile (SAN) Resins

April 2021

Abstract

Styrene-acrylonitrile (SAN) resins are optically clear resins applied in a variety of end uses including housewares and consumer goods, various compounded products, packaging, appliances (electrical and electronic), medical applications, and certain automotive applications. In these markets, SAN is used for its rigidity, clarity (although various compounded grades are translucent or opaque), excellent gloss, heat resistance, good processability, load-bearing strength, and resistance to chemicals. Acrylics, polystyrene, polycarbonate, polyvinyl chloride (PVC), and clear ABS are among SAN resins' main competitors. SAN resin production for ABS and weatherable polymers is not covered in this report, nor is captive use of styrene and acrylonitrile for SAN-type polymeric polyols.

The following pie chart shows world consumption of SAN resins:



Northeast Asia is the largest producer and consumer of SAN resins, led by mainland China; other production in Northeast Asia (in Japan, South Korea, and Taiwan) is largely for the export market, primarily to mainland China. Mainland China accounted for about half of the global SAN resin consumption and trade in 2020 and it will continue to drive the SAN market during 2020–25.

The major consumers of SAN resins are mainland China, Western Europe, Japan, and the United States. Mainland China uses most of its SAN resin in electrical and electronic applications. Electrical and electronic applications are also the largest market for SAN resins in Western Europe. In the United States, the houseware segment is the largest, while in Japan, most SAN resins are used in compounding applications.

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Consumption of SAN resins will register the highest growth in the Indian Subcontinent followed by mainland China and Africa. The United States and Western Europe will grow at a slower rate than the global growth rate, representative of their mature demand.

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

IHS Markit's Chemical Economics Handbook – *Styrene-Acrylonitrile (SAN) Resins* 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 – *Styrene-Acrylonitrile (SAN) Resins* 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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