

Chlorinated Polyethylene Resins and Elastomers

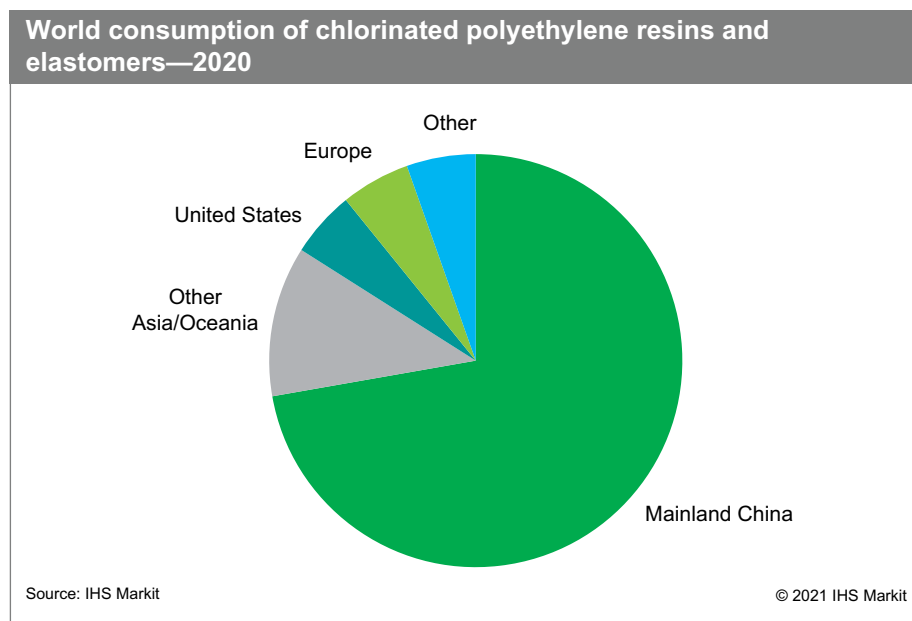
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Abstract

Chlorinated polyethylene resins and elastomers (CPEs) exhibit excellent physical and mechanical properties, including resistance to chemicals, oils, heat, and weathering; low-temperature performance; compression-set resistance; flame retardancy; high filler acceptance; tensile strength; and resistance to abrasion. In addition, CPE polymers can range from crystalline or rigid resins to a flexible elastomer product, making them highly versatile products. These polymers are used as the major or minor component in a wide assortment of applications in industry. The largest application for CPE is as an impact modifier. Other important end-use applications for CPE include roofing membranes, wire and cable jacketing, geomembranes, automotive and industrial hose and tubing, coatings, molded shapes, extruded profiles, and use as a base polymer.

The use of CPE as an impact modifier, primarily in PVC, amounted to nearly 69% of global consumption in 2020. Usage in sheeting and roofing products (13%) and wire and cable applications (7%) are the next most important.

The following pie chart shows world consumption of chlorinated polyethylene resins and elastomers:



World consumption of CEP is forecast to grow at an average rate close to 4.3% per year during 2020–25. This larger-than-expected growth rate is due to a depressed base year of 2020, as the COVID-19 pandemic had a dramatic impact on most of the applications for CPE.

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

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IHS Markit's Chemical Economics Handbook – *Chlorinated Polyethylene Resins and Elastomers* 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 – *Chlorinated Polyethylene Resins and Elastomers* 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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