

Market Report

Global Epoxy Resin Market

3rd Edition

Latest Update: June, 2017

Publisher: Acmite Market Intelligence

Language: English

Pages: 575

Price: from 1,490 Euro

Abstract

With strong demand from downstream markets, particularly from composite, automobile, aircraft/aerospace and E&E markets, the epoxy resin market demonstrates steady growth in the last years.

The global demand on epoxy resin was estimated at roughly US\$21.5 billion in 2016. Positive growth is projected thanks to the strong signals of economic environment, particularly in the US markets. Raw material prices have been on the rise in the last years and are expected to increase in the following years. The market value will reach US\$27.5 billion by 2020 and increase to US\$37.3 billion by 2025 in the forecast, following the annual growth rate of 6.3% in the coming years. Strongest demand is expected from epoxy composite market and epoxy adhesive market.

Acmite Market Intelligence has finished a most comprehensive report on global epoxy resin market. It is ready for order.

The report examines the current products and application areas, provides extensive market data of 2016, and market forecast through 2020 to 2025. It also outlines the competition landscape, evaluates market chances and risks and anticipates future trends based on a series of influence factors.

- Ca. 225 pages analyzing the market
- Ca. 60 figure tables
- Ca. 300 company profiles of epoxy resin manufacturers

With a multi-dimensional and in-depth view of world epoxy resin market, this report is ideal help for you with decisions about international market penetration, business expansion or project feasibility analysis.

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Volume II

Company profiles (ca. 300).....1-350

Note:

Regions:

North America: US, Canada, Mexico (NAFTA region)

Asia Pacific: Countries of Asia, Australia, New Zealand

Asia Pacific*: Asia Pacific excluding Japan

Momentive Specialty Chemicals planned to acquire a proppants manufacturing facility, 2014

Momentive Specialty Chemicals Inc. planned to acquire a proppants facility from CRS Proppants LLC. The facility, located in Shreveport, Louisiana in USA, manufactures resin coated proppants with an annual capacity of approximately 450 million pounds. This acquisition is to meet the growing demand for Momentive's oilfield products and to strengthen its position in the related business.

Huntsman Corp expanded its global polyetheramines capacity, 2014

Huntsman Corp's Performance Products Division planned to expand its global polyetheramines capacity by at least 15 percent. Huntsman offers polyetheramines to improve epoxy systems used in industrial and decorative coatings and sports equipment including tennis racquets, skis and hockey sticks.

Huntsman Corp opened a new Asia Pacific Technology Center in Shanghai, China, 2014

Huntsman Corporation announced the opening of its new Asia Pacific Technology Center in Shanghai. With an investment of \$40 million, this new technology center comprises of a new technology and innovation campus and the existing technology center opened in September 2008. The new investment shows Huntsman's long-term commitment and strategy to grow in partnership with its customers in the growing market.

Oilfield Technology Group of Momentive announced to expand its triazine production plant, 2013

Momentive Specialty Chemicals Inc.'s Oilfield Technology Group planned to expand its triazine production plant in Diboll, Texas, USA. The plant delivers triazine products for hydrogen sulfide (H₂S) scavenging in crude oil, natural gas, liquefied petroleum gas, and SAGD (steam-assisted gravity drainage). As a following expansion of its upgrade in the last years, the plant will add another triazine reactor as well as additional raw materials storage and handling by the end

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4.3 Halogenated Epoxy Resins

4.3.1 Products, properties and uses

A number of halogenated epoxy resins have been developed and commercialized to meet specific application requirements, e.g. ignition-resistance.

Halogenated epoxy resins mainly consist of chlorinated epoxies, brominated epoxies, and fluorinated epoxies. Chlorinated and brominated epoxies are valued for their flame retardancy properties.

Commercial halogenated, particularly brominated and chlorinated, epoxy resins are particularly preferred for the use in composite manufacture.

Brominated Epoxy Resins (BERs)

Brominated epoxy resins are also referred to as brominated bisphenol A based epoxy resins, as they are manufactured by reacting epichlorohydrin with bisphenol A and tetrabromobisphenol A. The addition of bromine imparts improved ignition resistance to the epoxy.

This kind of epoxy resin containing bromine over 16% is powerful in self-extinguishing. The flame retardancy increases with higher bromine content. Solid brominated epoxy resin containing 47–51% bromine can be used as flame retardant additive for engineering thermoplastics.

The hardenite of brominated epoxy resin has splendid flame-retardancy, heat resistance, electrical performance, fungus resistance, resistance to chemicals and adhesion.

Brominated epoxy resins are widely used as flame retardant sealing material, matrix for composites and flame retardant adhesive for laminated plates in the fields of electronics, electric appliance, ships, construction and etc..

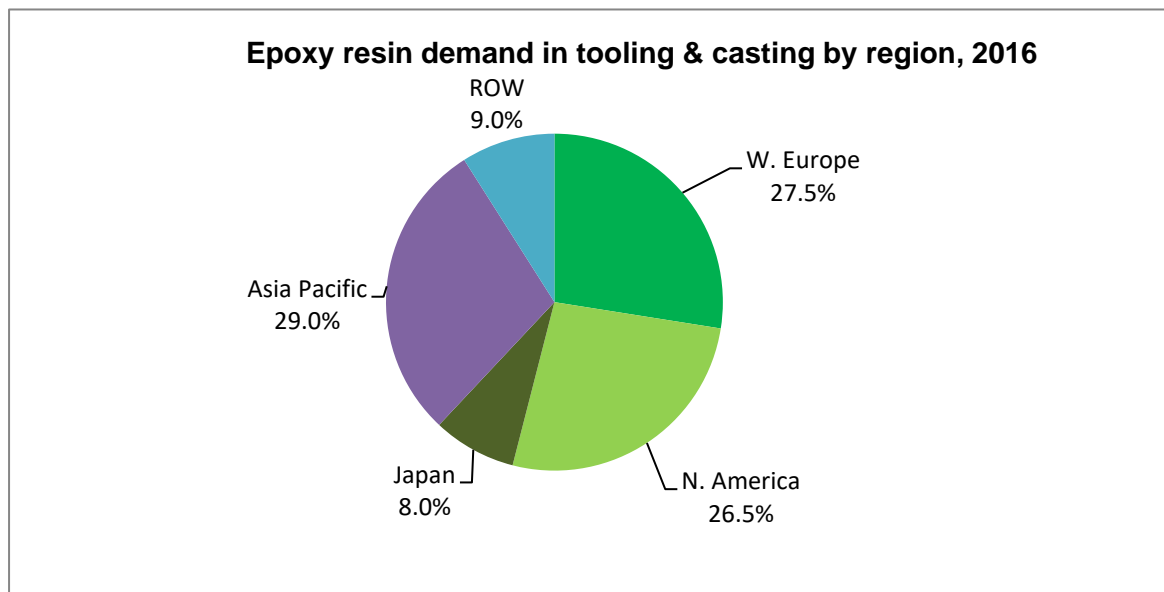
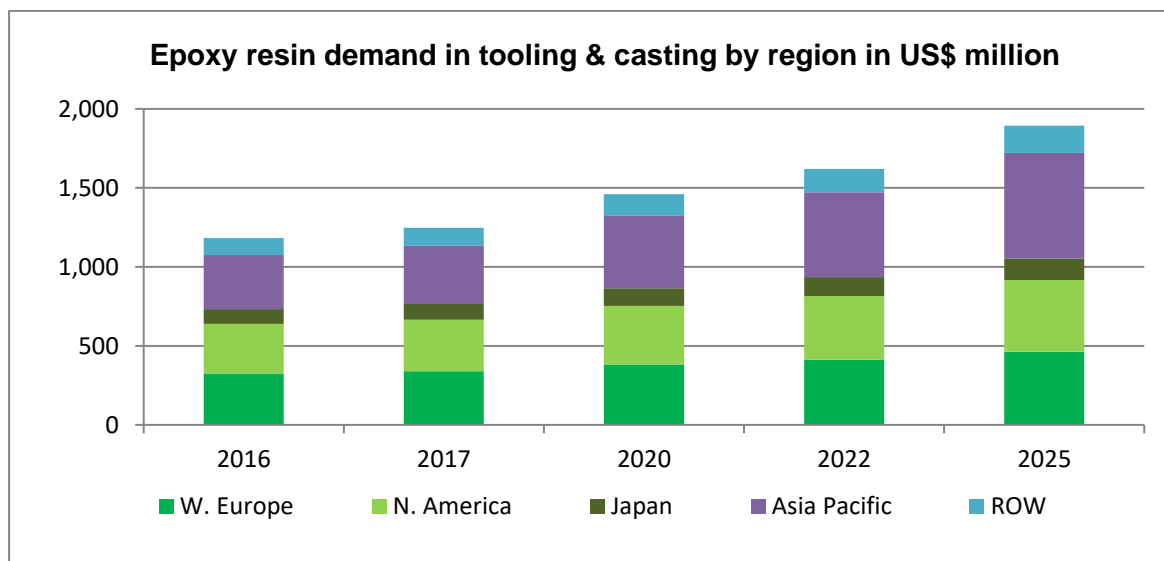
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5.6.2.3 Epoxy resin demand in tooling & casting by region

Epoxy resin demand in tooling & casting by region in US\$ million

	2016	2017	2020	2022	2025	CAGR
W. Europe	325	339	382	413	463	4.2%
N. America	313	327	371	403	454	4.4%
Japan	95	99	111	120	135	4.2%
Asia Pacific*	343	370	463	537	669	7.9%
ROW	106	112	132	147	172	5.7%
Total	1183	1247	1460	1621	1894	5.4%



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<http://www.kukdo.com>

Year of Foundation: 1972

Number of Employees: 410

Revenue (2016): KRW 952,633 million

Company profile

Kukdo Chemical Co. Ltd. (Kukdo) is a Korean chemical company which is principally engaged in the manufacturing and distribution of epoxy and polyamide resins.

The Company operates with two business segments:

- Epoxy segment, which offers a wide range of epoxy resin products including bisphenol-A epoxy resin, bisphenol-F type epoxy resin, brominated epoxy resin, non-halogen flame retardant epoxy and others. Its products are widely used in different applications including paints, electrical and electronic parts, aerospace and information technology.
- Polyol segment, which specializes in the production of coating polyols, adhesive polyols, sealant polyols, elastomer polyols, flexible polyols, rigid polyols and others. These products are applied as building insulation materials, automobile interior materials, waterproofs, or adhesives.
- Hardener, which includes polyamide & amidoamine type, polyamide adduct type, aliphatic amine modified type, cycloaliphatic amine modified type,
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C0612	Global Epoxy Resin Market, Volume II	350	<input type="checkbox"/> EUR 790	<input type="checkbox"/> EUR 990	<input type="checkbox"/> EUR 1290
C0610	Global Epoxy Resin Market, Total (Volume I + II)	575	<input type="checkbox"/> EUR 1990	<input type="checkbox"/> EUR 2390	<input type="checkbox"/> EUR 3390
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