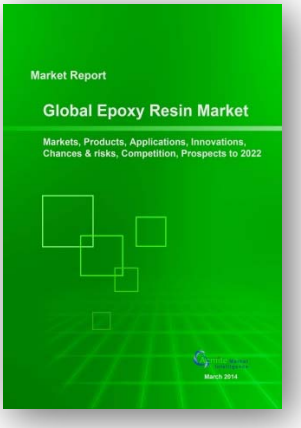

Market Report

Global Epoxy Resin Market

2nd Edition
Latest Update: March, 2014
Publisher: Acmite Market Intelligence
Language: English
Pages: 575
Price: from 1,490 Euro

Abstract

Epoxy resin industry experiences robust growth after the recovery from its historic downturn during last world-wide economic recession. The industry has regained strong confidence as demand from overall downstream markets rebounds quickly, particularly from composite, automobile, aircraft/aerospace and E&E markets.

The global demand on epoxy resin was estimated at roughly US$18.6 billion in 2013. Positive growth is projected thanks to the strong signals of recovery overall, particularly in the US and EU 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$25.8 billion by 2018 and increase to US$33.6 billion by 2022 in the forecast, following the annual growth rate of 6.8% 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 2013, and market forecast through 2018 to 2022. 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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Note:

Regions:

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

Asia Pacific: Countries of Asia, Australia, New Zealand

Asia Pacific*: Asia Pacific excluding Japan

and epoxy assets more reliable. It also helps to strengthen Dow's position in the global epoxy market.

Huntsman and Sinopec agreed to build a joint venture in Nanjing, China, 2012

Huntsman Corporation signed a joint venture agreement with Sinopec Jinling Company, a subsidiary of Sinopec, to build and operate a world scale Propylene Oxide (PO) and Methyl Tertiary Butyl Ether (MTBE) facility in Nanjing, China. The joint venture, named Nanjing Jinling Huntsman New Materials Co., Ltd., is to be completed by the end of 2014 and will apply Huntsman's proprietary PO/MTBE manufacturing technology.

Momentive opened an advanced applications development center in Germany, 2012.

Momentive Specialty Chemicals Inc. started a Transportation Research and Application Center (TRAC) in Germany for lightweight structural composites used in the automotive, aerospace and mass transportation markets. According to the company, the new center will accelerate the production and testing of customer solutions. TRAC is sited at the company's plant in Duisburg which is an important epoxy production and R&D facility of the company.

Dow Epoxy introduced new product line for civil engineering applications, 2012

Dow Epoxy introduced a new portfolio of low-emission and waterborne epoxy products designed for the civil engineering industry. The introduction of these products is an outcome of Dow's acquisition of European curing agent producer UPPC GmbH.

The new product D.E.H. line includes epoxy components, specialty resins, and curing agents, as well as resin blends and formulated hardener solutions.

… …

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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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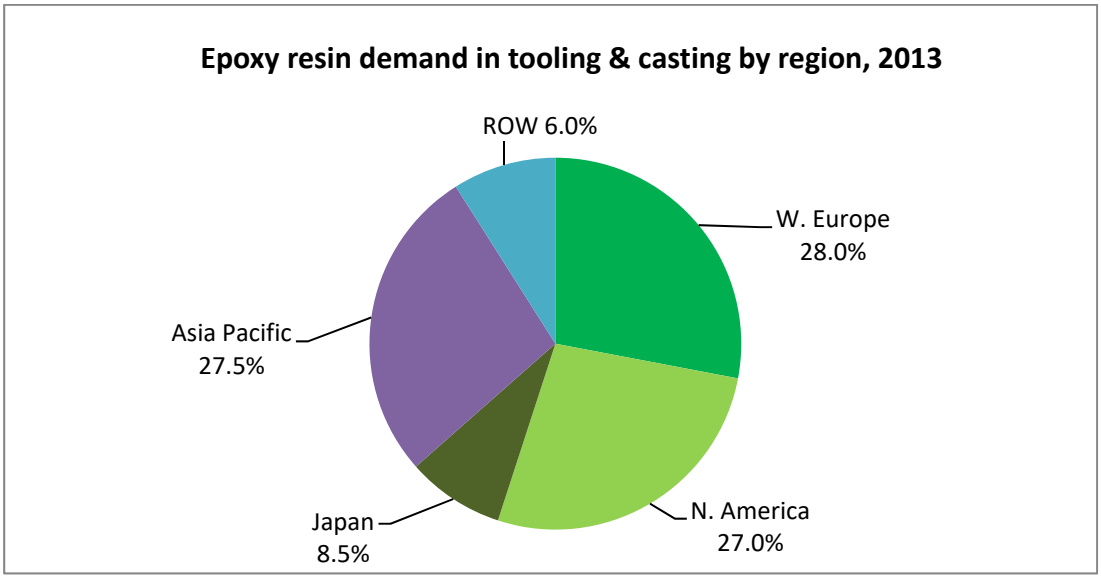
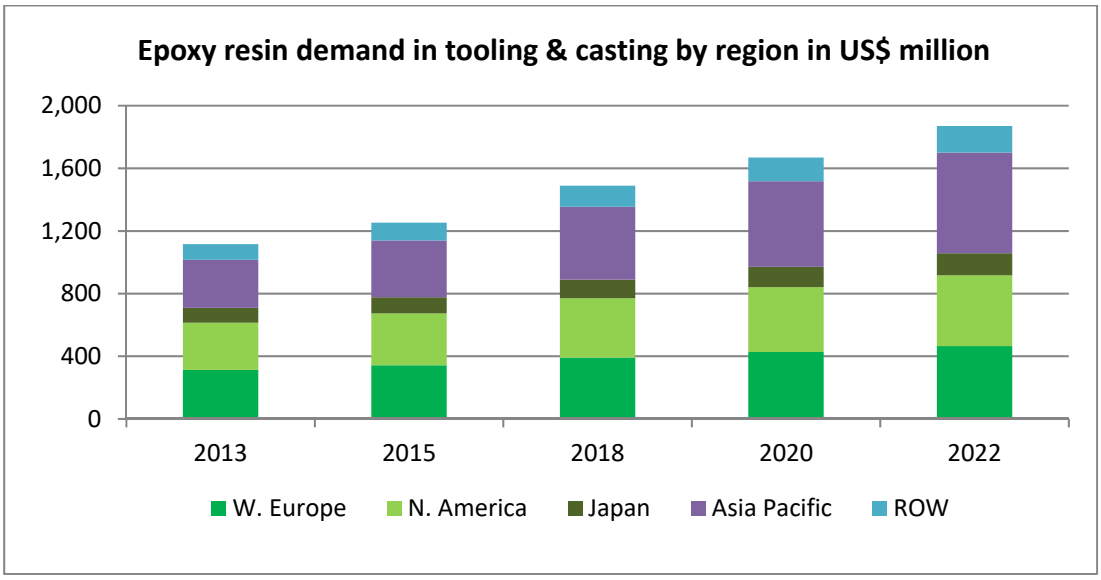
5.6.2.3 Epoxy resin demand in tooling & casting by region

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

	2013	2015	2018	2020	2022	AAGR
W. Europe	312	342	391	427	465	4.5%
N. America	301	331	379	414	452	4.6%
Japan	95	104	119	130	141	4.5%
Asia Pacific*	307	363	465	547	642	8.6%
ROW	100	113	135	152	170	6.0%
Total	1116	1253	1489	1669	1870	5.8%





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Kukdo Chemical Co., Ltd. (South Korea)

B4/B8 Kukdo Chemical 345-35
Kasan-Dong, Kumchon-Gu
Seoul
South Korea
Phone: +82 2 3282 1508
Fax: +82 2 3282 1588
http://www.kukdo.com

Year of Foundation: 1972
Number of Employees: 274
Revenue (2013): KRW 911,947 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.

In July 2007, Kukdo completed the setup of its epoxy resin factory with a total annual capacity of 165,000MT in Seoul.

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C0612	Global Epoxy Resin Market, Volume II	350	☐ EUR 790	☐ EUR 990	☐ EUR 1290
C0610	Global Epoxy Resin Market, Total (Volume I + II)	575	☐ EUR 1990	☐ EUR 2390	☐ EUR 3390
Sum			☐ *EUR* _____	☐ *EUR* _____	☐ *EUR* _____

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