

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) CTBN Market 2018, Forecast to 2023

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Abstracts

Carboxyl-terminated acrylonitrile-butadiene (CTBN) polymers are made by solution polymerisation and have a typical acrylonitrile content of 0-27%. They are used as epoxy resin flexibilisers.

Scope of the Report:

This report focuses on the CTBN in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

In the past few years, the global CTBN industry maintained a rapid pace of development. Global CTBN production increased from 490.5 tons in 2012 to 685.1 tons in 2016. The average growth rate of CTBN market had more than 7%. Global CTBN leader is Emerald Performance Materials. In each region, Emerald Performance Materials occupy an absolute market share.

Companies such as LANXESS and Zeon are leading NBR Rubber manufacturers. These companies have XNBR production capacity. The key factors limiting the development of this industry are price and technical barriers. Compared with the general toughening agent, the price of CTBN is undoubtedly expensive. CVC is the world's first company to develop and produce CTBN. In the world, few companies can compete with CVC at both price and product quality. Some companies can produce CTBN in small quantities, but the price is too high. Therefore, CVC's products have become the best choice.

CTBN typically requires chemical modification for effective incorporation into thermoset

chemistries. Choice of terminal chemistry will depend on the application and end-use. Carboxyl-Functional Polymers are carboxyl-terminated butadiene and butadiene-acrylonitrile copolymers (CTBN) that improve toughness, low-temperature properties, chemical and water resistance in epoxy, coating, vinyl-ester, SMC/BMC, acrylic, plasitisol, and other thermoset systems. The key applications of CTBN are adhesives & sealsants, coating and electronic appliances. In 2016, adhesives & sealants, coating and electronic appliances accounted for 36.18%, 27.24% and 17.78% of the application share of CTBN.

At present, CTBN plays an important role in liquid NBR rubber. In the next few years, CTBN will maintain a steady growth rate. At the same time, new players may make this market will become intense. In the future, CTBN prices will be slightly lower. This is the end of CTBN report.

The worldwide market for CTBN is expected to grow at a CAGR of roughly 5.4% over the next five years, will reach 13 million US\$ in 2023, from 9 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

CTBN with 8-12% Acrylonitrile

CTBN with 12-18% Acrylonitrile

CTBN with 18-22% Acrylonitrile

CTBN with 22-27% Acrylonitrile

Others

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Adhesives & Sealants

Coating

Electronic Appliances

Aerospace

Composites

Others

Market Segment by Applications, can be divided into

Application 1

Application 2

There are 15 Chapters to deeply display the global CTBN market.

Chapter 1, to describe CTBN Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of CTBN, with sales, revenue, and price of CTBN, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of CTBN, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these

regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, CTBN market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe CTBN sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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