

# Global Epoxy Resin for PCB Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global Epoxy Resin for PCB market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Epoxy resin offers several desirable properties for PCB applications:

**Excellent Electrical Insulation:** Epoxy resin has excellent electrical insulation properties, making it an ideal choice for PCBs. It has a high dielectric strength and low electrical conductivity, which helps prevent short circuits and ensures reliable signal transmission in electronic devices.

**Superior Mechanical Strength:** Epoxy resin provides good mechanical strength and dimensional stability to the PCBs. It can withstand the stresses and strains experienced during fabrication, assembly, and usage, protecting the integrity of the circuitry.

**Chemical Resistance:** Epoxy resin exhibits good resistance to a wide range of chemicals, including acids, bases, and solvents. This property ensures that the PCBs remain unaffected by environmental factors and continue to function reliably.

**Adhesive Properties:** Epoxy resin has excellent adhesive properties, allowing it to bond securely with various materials used in PCB manufacturing, such as copper traces and fiberglass substrates. It forms strong, durable bonds that contribute to the structural integrity of the PCB.

**Temperature Resistance:** Epoxy resin offers good thermal stability and can withstand elevated temperatures without significant degradation. This makes it suitable for applications where PCBs may be exposed to high operating temperatures during device operation or manufacturing processes.

In PCB manufacturing, epoxy resin is typically used as a substrate material or as a laminate to encapsulate and protect the circuitry. It is combined with other materials, such as reinforcement fibers (e.g., fiberglass) and copper foil, to form a composite structure with enhanced mechanical and electrical properties.

The use of epoxy resin in PCBs ensures reliable electrical performance, excellent insulation, and durability in electronic devices. It contributes to the overall functionality and longevity of PCBs in a wide range of applications.

Epoxy resin is a type of thermosetting polymer that is commonly used in the production of Printed Circuit Boards (PCBs). PCBs are used in various electronic devices and provide the foundation for electrical connections and component mounting.

This report is a detailed and comprehensive analysis for global Epoxy Resin for PCB market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

#### Key Features:

Global Epoxy Resin for PCB market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Epoxy Resin for PCB market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Epoxy Resin for PCB market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Epoxy Resin for PCB market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Epoxy Resin for PCB

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Epoxy Resin for PCB market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Nan Ya Plastics, Changchun Chemical, Nippon Kayaku, Olin and Mitsubishi Chemical, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

## Market Segmentation

Epoxy Resin for PCB market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Brominated Epoxy Resin

Bisphenol A Novolac Epoxy Resin (BNE)

Phenol Novolac Epoxy Resin (PNE)

UV Masking Epoxy Resin

Other

## Market segment by Application

Rigid Single Side & Double Side Board

Standard Multilayer Board

HDI

IC Substrate

Flexible PCB

Rigid Flexible Bonding Board

Other

## Major players covered

Nan Ya Plastics

Changchun Chemical

Nippon Kayaku

Olin

Mitsubishi Chemical

Dongcai Technology

Hongchang Electronic Materials

Jinan Shengquan

Tongyu New Material

DIC

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Epoxy Resin for PCB product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Epoxy Resin for PCB, with price, sales, revenue and global market share of Epoxy Resin for PCB from 2018 to 2023.

Chapter 3, the Epoxy Resin for PCB competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Epoxy Resin for PCB breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Epoxy Resin for PCB market forecast, by regions, type and application,

with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Epoxy Resin for PCB.

Chapter 14 and 15, to describe Epoxy Resin for PCB sales channel, distributors, customers, research findings and conclusion.

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