

Global Phenolic 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 Phenolic 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.

Phenolic resin offers several desirable properties for PCB applications:

Excellent Electrical Insulation: Phenolic resin has excellent electrical insulation properties, making it well-suited 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.

Flame Retardancy: Phenolic resin is inherently flame retardant, meaning it has a high resistance to ignition and combustion. This property is crucial for electronic devices to meet safety regulations and prevent the spread of fires. Phenolic-based PCBs contribute to the overall fire safety of electronic systems.

Mechanical Strength: Phenolic 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: Phenolic 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.

Cost-Effectiveness: Phenolic resin is generally more cost-effective compared to other resin systems, making it an economical choice for PCB manufacturing.

In PCB manufacturing, phenolic 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., paper or fiberglass) and copper foil, to form a composite structure with enhanced mechanical and electrical properties.

The use of phenolic resin in PCBs ensures reliable electrical performance, excellent insulation, and fire resistance in electronic devices. It contributes to the overall functionality and safety of PCBs in various applications.

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

This report is a detailed and comprehensive analysis for global Phenolic 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 Phenolic Resin for PCB market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Phenolic 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 Phenolic 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 Phenolic 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 Phenolic 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 Phenolic 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 Sumitomo Bakelite, Allnex, Changchun Group, Jinan Shengquan and Shandong Laiwu Runda New Material. 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

Phenolic 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

Conventional Phenolic Resin

Bisphenol A Phenolic Resin

Aralkylphenol Resin

Biphenyl Phenolic 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

Sumitomo Bakelite

Allnex

Changchun Group

Jinan Shengquan

Shandong Laiwu Runda New Material

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 Phenolic Resin for PCB product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Phenolic 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 Phenolic 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 Phenolic Resin for PCB.

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

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