

# Global Phenolic Resin for PCB Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Phenolic Resin for PCB market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

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 studies the global Phenolic Resin for PCB production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Phenolic Resin for PCB, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Phenolic Resin for PCB that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Phenolic Resin for PCB total production and demand, 2018-2029, (Tons)

Global Phenolic Resin for PCB total production value, 2018-2029, (USD Million)

Global Phenolic Resin for PCB production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Phenolic Resin for PCB consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Phenolic Resin for PCB domestic production, consumption, key domestic manufacturers and share

Global Phenolic Resin for PCB production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Phenolic Resin for PCB production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Phenolic Resin for PCB production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons)

This reports 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Phenolic Resin for PCB market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Phenolic Resin for PCB Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global Phenolic Resin for PCB Market, Segmentation by Type

Conventional Phenolic Resin

Bisphenol A Phenolic Resin

Aralkylphenol Resin

Biphenyl Phenolic Resin

Other

## Global Phenolic Resin for PCB Market, Segmentation by Application

Rigid Single Side & Double Side Board

Standard Multilayer Board

HDI

IC Substrate

Flexible PCB

Rigid Flexible Bonding Board

Other

Companies Profiled:

Sumitomo Bakelite

Allnex

Changchun Group

Jinan Shengquan

Shandong Laiwu Runda New Material

### Key Questions Answered

1. How big is the global Phenolic Resin for PCB market?
2. What is the demand of the global Phenolic Resin for PCB market?
3. What is the year over year growth of the global Phenolic Resin for PCB market?
4. What is the production and production value of the global Phenolic Resin for PCB market?
5. Who are the key producers in the global Phenolic Resin for PCB market?
6. What are the growth factors driving the market demand?

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