

# Global Phenolic Resin for PCB Market Growth 2023-2029

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## Abstracts

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The global Phenolic Resin for PCB market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 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.

LPI (LP Information)' newest research report, the “Phenolic Resin for PCB Industry Forecast” looks at past sales and reviews total world Phenolic Resin for PCB sales in 2022, providing a comprehensive analysis by region and market sector of projected Phenolic Resin for PCB sales for 2023 through 2029. With Phenolic Resin for PCB sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Phenolic Resin for PCB industry.

This Insight Report provides a comprehensive analysis of the global Phenolic Resin for PCB landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Phenolic Resin for PCB portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Phenolic Resin for PCB market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Phenolic Resin for PCB and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Phenolic Resin for PCB.

This report presents a comprehensive overview, market shares, and growth opportunities of Phenolic Resin for PCB market by product type, application, key

manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

Conventional Phenolic Resin

Bisphenol A Phenolic Resin

Aralkylphenol Resin

Biphenyl Phenolic Resin

Other

Segmentation by application

Rigid Single Side & Double Side Board

Standard Multilayer Board

HDI

IC Substrate

Flexible PCB

Rigid Flexible Bonding Board

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Sumitomo Bakelite

Allnex

Changchun Group

Jinan Shengquan

Shandong Laiwu Runda New Material

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Phenolic Resin for PCB market?

What factors are driving Phenolic Resin for PCB market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Phenolic Resin for PCB market opportunities vary by end market size?

How does Phenolic Resin for PCB break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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