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

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## Abstracts

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

Resins used for PCBs offer specific properties and functions that are crucial for their successful application:

Electrical Insulation: PCB resins possess excellent electrical insulation properties to prevent current leakage and short circuits. They have high dielectric strength and low electrical conductivity, ensuring reliable signal transmission and preventing electrical failures.

Mechanical Strength: PCB resins provide adequate mechanical strength to withstand the stresses and strains encountered during fabrication, assembly, and operation. They protect the circuit components and connections, ensuring the structural integrity of the PCB.

Thermal Stability: Resins used in PCBs should exhibit good thermal stability to withstand high temperatures during operation or manufacturing processes. They should be able to maintain their properties without significant degradation at elevated temperatures.

Flame Retardancy: Some PCB applications may require resins with flame-retardant properties. Flame-retardant resins help reduce the risk of fire hazards and ensure the safety of electronic devices.

Chemical Resistance: PCB resins should have good resistance to various chemicals,

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including acids, bases, and solvents. This resistance ensures that the PCBs remain unaffected by environmental factors and continue to function reliably.

Common resin materials used in PCB manufacturing include epoxy resin, phenolic resin, and polyphenylene ether (PPE). Each resin type has its specific characteristics and advantages, allowing for the selection of the most suitable material based on the desired performance requirements.

The choice of resin for PCBs depends on factors such as electrical performance, mechanical strength, thermal resistance, flame retardancy, and cost-effectiveness. Selecting the appropriate resin material is crucial for ensuring the overall performance, reliability, and longevity of the PCBs in various applications.

Resins for PCBs refer to the various types of polymer materials used in the manufacturing of Printed Circuit Boards (PCBs). PCBs are essential components in electronic devices, providing the foundation for electrical connections and component integration.

This report studies the global Resins for PCB production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Resins 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 Resins for PCB that contribute to its increasing demand across many markets.

Highlights and key features of the study

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

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

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

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

U.S. VS China: Resins for PCB domestic production, consumption, key domestic

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manufacturers and share

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

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

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

This reports profiles key players in the global Resins 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, Mitsubishi Chemical, Dongcai Technology, Hongchang Electronic Materials, Jinan Shengquan and Tongyu 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 Resins 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 Resins for PCB Market, By Region:

United States

China

Europe

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Japan

South Korea

ASEAN

India

Rest of World

Global Resins for PCB Market, Segmentation by Type

Epoxy Resin

Phenolic Resin

PTFE

Polyimide

PPE

Other

Global Resins for PCB Market, Segmentation by Application

Rigid Single Side & Double Side Board

Standard Multilayer Board

HDI

IC Substrate

Flexible PCB

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Rigid Flexible Bonding Board

Other

Companies Profiled:

Nan Ya Plastics

Changchun Chemical

Nippon Kayaku

Olin

Mitsubishi Chemical

Dongcai Technology

Hongchang Electronic Materials

Jinan Shengquan

Tongyu New Material

DIC

SABIC

Key Questions Answered

1. How big is the global Resins for PCB market?

2. What is the demand of the global Resins for PCB market?

3. What is the year over year growth of the global Resins for PCB market?

4. What is the production and production value of the global Resins for PCB market?

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5. Who are the key producers in the global Resins for PCB market?

6. What are the growth factors driving the market demand?

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