

Global Electronic Chemicals & Materials Market Size study & Forecast, by Type (Silicon Wafers, PCB Laminates, Specialty Gases, Wet Chemicals, Photoresist Chemicals, Others), by Application (Semiconductors and Others), and Regional Analysis, 2022-2029

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Abstracts

Global Electronic Chemicals & Materials Market is valued at approximately USD 63.36 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 6.0% over the forecast period 2022-2029. Electronic materials and chemicals are used as major elements in a wide range of electronic applications. This refers to almost all of the chemicals and materials used in the manufacture, assembly, and packaging of electronic components, including semiconductors, integrated circuits, printed circuit boards, flat panel displays, and others.. The increasing demand for silicon wafers and rising technological advancements in the electronics industry have enhanced the growth of this market.

The high demand from the semiconductor industry is acting as a catalyzing factor for market growth across the globe. Electronic chemicals and materials are primarily used in the manufacturing and servicing of printed circuit boards (PCBs) and integrated circuits (ICs) in the semiconductor industry. It is utilized in a variety of processes, including the etching, polishing, cleaning, doping, and maintenance of semiconductors. The Semiconductor Business Association reports that in 2021, sales in the worldwide semiconductor industry were approximately USD 555.9 billion. With an increase of 26.2% from the amount of USD 440.4 billion in 2020, the industry generates the largest yearly income. Thus, the high usage of electronic materials and chemicals across the semiconductor industry is bolstering the market demand at a substantial rate. Moreover,

rising investment in the development of advanced technology such as AI and IoT, as well as the growing focus on improving IT infrastructure are presenting various lucrative opportunities over the forecasting years. However, the stringent health and environmental regulations regarding certain chemicals and materials are hampering the market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Electronic Chemicals & Materials Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. Asia Pacific dominated the market in terms of revenue, owing to the growing population, high disposable income, and developments in telecommunications and IT, smart cards, electronic gaming, and consumer goods application. Whereas, North America is expected to grow with the highest CAGR during the forecast period, owing to factors such as the high demand for printed circuit boards, as well as the increasing proliferation of electronic devices in the market space.

Major market players included in this report are:

Linde PLC

Air Products and Chemicals Inc.

DuPont de Nemours, Inc.

Cabot Microelectronics

BASF SE

Hitachi Chemical

Air Liquide

Solvay

Shin-Etsu Chemical Co., Ltd.

Covestro AG

Recent Developments in the Market:

In April 2021, Cabot Microelectronics announced the acquisition of International Test Solutions to grow its electronic materials business line. This assists the company to fulfil the unmet customer demand across the semiconductor sector.

Global Electronic Chemicals & Materials Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Type, Application, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World
Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Silicon Wafers

PCB Laminates

Specialty Gases

Wet Chemicals

Photoresist Chemicals

Others

By Application:

Semiconductors

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
RoLA
Rest of the World

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