

Global Plastic Dielectric Films Market Size study & Forecast, by Product (Polyethylene Naphthalate, Polyethylene Terephthalate, Polytetrafluoroethylene, Polypropylene, Polyphenylene Sulfide & Polyvinylidene Difluoride), by Application (Electrical & Electronics, Solar & Wind Energy Systems, Automobiles, Aircraft) and Regional Analysis, 2022-2029

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Abstracts

Global Plastic Dielectric Films Market is valued at approximately USD 1.22 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 4.5% over the forecast period 2022-2029. Plastic dielectric films are used as insulators that can transmit a small amount of electricity at a high temperature. The dissipation factor and the dielectric constant are two crucial variables that affect the dielectric characteristics of the plastic film. This product offers higher pressure resistance, lower temperature resistance, and lower application pressure. The films have been extensively used in integrated circuits and capacitors in a range of electronic products. The surging demand for electronic goods, development of the food packaging industry, coupled with the increased shift of consumers' preference to lightweight electric cars are the key factors that are contributing to the market growth across the globe.

The rising usage in the application of solar energy and wind energy is acting as a catalyzing factor for the market growth during the estimated period. According to the International Energy Agency, the generation of electricity from wind energy increased by about 273 TWh in 2021 (up 17%), which is a 45% increase from 2020. Additionally, it is anticipated that wind energy, which produced 1870 TWh in 2021, is likely to continue to

be the non-hydro renewable technology with the biggest market share and growth of all power generation methods. Thus, these factors are leveraging the market development in the worldwide market. Moreover, higher demand in electronic sector, as well as the growing demand for low-cost and effective film capacitors are presenting various lucrative opportunities over the forecasting years. However, the flammable under overloaded conditions and fluctuations in petroleum prices are challenging the market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Plastic Dielectric Films Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. The Asia Pacific dominated the market in terms of revenue, owing to the increase in government spending on PPE kits and other medical products using polymers, along with the rising use of polypropylene in binders, packaging materials, boxes, and others. Whereas, North America is expected to grow with the highest CAGR during the forecast period, owing to factors such as the high adoption of packaging in the food and beverage industry, as well as higher demand in electronic sector in the market space.

Major market players included in this report are:

Maruzen Petrochemical Co. Ltd.

Steiner GmbH & CO. KG

Jindal Films

Tervakoski Film

Ganapathy Industries

COVEME s.p.a.

Jindal Poly Films Ltd.

Bollor? Group

Mitsubishi Chemical Corp.

Toray Industries, Inc.

Recent Developments in the Market:

In July 2020, KEMET- a well-known supplier of electrical components announced the introduction of three series of PP capacitor films, including C44P-R, C44U-M, and R75H. These gadgets were created with high-power software systems in sight, such as power storage, industrial, and renewable energy.

Global Plastic Dielectric Films 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 Product, 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 Product:

Polyethylene Naphthalate

Polyethylene Terephthalate

Polytetrafluoroethylene

Polypropylene

Polyphenylene Sulfide & Polyvinylidene Difluoride

By Application:

Electrical & Electronics

Solar & Wind Energy Systems

Automobiles

Aircraft

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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