

Global Prepreg Market Size study & Forecast, by Resin Type (Thermoplastic, Thermoset), by Fiber Type (Aramid, Carbon, Glass), by Manufacturing Process (Solvent Dip, Hot Melt), by End User (Automotive, Aerospace and Defence, Sporting goods, Wind Energy, Others) and Regional Analysis, 2022-2029

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Abstracts

Global Prepreg Market is valued at approximately USD 10 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 10.80% over the forecast period 2022-2029.

Prepreg is a fabric that has been reinforced and is pre-impregnated from a resin system. Prepregs are applied in high performance wherein the cost has less importance as compared to mechanical properties and weight. The growth of Prepreg Market is mainly driven by the growth of the automotive industry as this increases the demand for prepregs. In the last few years, there are many companies who are shifting to carbon fiber composite materials from e-glass. As per Statista, in 2021, a total of 66.7 million units were sold in the automobile sector which increases the demand for prepregs. The other factor that drives the growth is the rising demand for prepreg in the aviation industry. The prepregs give some extraordinary properties such as superior strength-to-weight ratio and high impact resistance which gives effectiveness in producing composite parts for the secondary and primary forms of aircraft and this is the reason why it is used in the aviation industry. As per the recent estimates by International Civil Aviation Organization, the aviation industry will increase from an average of 4.3% per year over the next 20 years. However, the high cost that has been associated with prepregs such as the price of manufacturing and processing will restrict the growth of the prepreg market. According to a study by McKinsey & Company, it has been found that 60% of consumers are sensitive to price across different industries, this means

industries also become price sensitive which restricts the growth of prepregs. The growth in carbon fibre-reinforced plastic (CFRP) acts as an opportunity for the prepreg market. CFRP is majorly used in columns, beams, slabs and walls. As per Statista, the construction market of 2030 would be twice as of 2020, it would reach 14.4 trillion in 2030 from 6.4 trillion in 2020. As prepregs are used in construction activities, there would be a big opportunity for prepregs. Rising demand for lightweight vehicles act as another opportunity for the prepregs market. The prepregs allow the cutting of weight in transport uses of automobiles which leads to a rise in fuel efficiency, reduces the usage of materials and it also decreases emissions. As per Statista, the production of lightweight vehicles is expected to touch 98.9 million units in 2025 as compared to 89 million units in 2019, this will create demand for the prepreg market.

The key regions considered for the Global Prepreg Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market in terms of revenue, owing to reasons such as there has been increasing awareness among people about the merits of using wind energy. Also, there has been an increase in the expansion of the aviation industry and there is a lot of R&D in this which drives the growth for prepregs. As per the National Science Foundation, there has been an increase in R&D by USD 62 billion in 2019 which amounted to USD 667 billion. Asia Pacific is expected to grow with the highest CAGR during the forecast period, owing to the factors such as the extension of industries which uses prepregs in the developing countries of Asia-Pacific. As per Indian Brand Equity Foundation, India is the third largest domestic aviation market globally and Indian Aviation also contributed to 5% of the GDP.

Major market player included in this report are:

Hexcel Corporation

Axiom Materials Inc.

Mitsubishi Chemical Corporation

Teijin Carbon Europe GmbH

Sunrez Corporation

Isola Group

SGL Carbon

Toray Composite Materials America Inc.

Evonik Industries AG

Celanese Corporation

Recent Developments in the Market:

In September 2021, the manufacturer of epoxy prepreg material known as Notus Composites declared the launch of NE less temperature prepreg which has high-

performance epoxy range, and the newest addition has different other applications in multiple industries.

In February 2023 a prepreg manufacturing company, Toray Industries Inc. declared that they have developed a new prepreg material which has extraordinary impact resistance and can be used in the automobile industry and it can also be used in other industries.

Global Prepreg 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 Resin Type, Fiber Type, Manufacturing Process, End User, 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 Resin Type:

Thermoplastic

Thermoset

By Fiber Type:

Aramid

Carbon

Glass

By Manufacturing Process:

Solvent Dip

Hot Melt

By End User:

Automotive
Aerospace and Defence
Sporting Goods
Wind Energy
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
Rest of the World

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