

Prepreg Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global prepreg market size reached US\$ 11.4 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 18.1 Billion by 2028, exhibiting a growth rate (CAGR) of 7.8% during 2023-2028.

Prepreg is a strong laminate composite of fiber sheets that are pre-impregnated with catalyzed resins. It is manufactured through a hot melt and solvent-dip process using woven fibers and thermoset resins, such as phenols, epoxy, polyamide and thermoplastics. It involves dissolving the resin in a solvent bath and dipping the reinforcing fabric in the resin solution. Prepreg exhibits high tensile strength, stability, and resistance to fire, fatigue, corrosion, moisture and chemicals. As a result, they find extensive application across various industries, such as automotive, healthcare, aerospace, defense and electrical.

Prepreg Market Trends:

Significant growth in the aerospace industry across the globe represents one of the key factors creating a positive outlook for the market. Prepreg is widely used in the production of air ducts, bars, seats, trailing edges, cabin linings, plenums and brackets due to its high physical strength and structural performance. Moreover, various product innovations, such as the launch of a carbon prepreg patch that consists of epoxy matrix and uni-directional carbon fiber that consists of self-adhesive properties and enables them to bond to metal in a one-step process, are providing a significant boost to the market growth. Additionally, the widespread product adoption in the automotive industry is favoring the market growth. Prepreg is widely used for lightweight parts, ceiling materials and instrument panels due to its high stiffness and tensile strength and low

weight. Apart from this, extensive research and development (R&D) activities and increasing product utilization for the manufacturing of various sports accessories, such as bicycles, fishing rods and tennis rackets, are anticipated to drive the market toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global prepreg market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on resin type, fiber type, manufacturing process and end use industry.

Breakup by Resin Type:

- Thermoset
- Thermoplastic
- Epoxy
- Others

Breakup by Fiber Type:

- Carbon
- Glass
- Aramid

Breakup by Manufacturing Process:

- Hot-Melt Process
- Solvent Dip Process

Breakup by End Use Industry:

- Aerospace and Defense
- Automotive
- Electrical and Electronics
- Wind Turbine
- Sporting Goods
- Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Axiom Materials Inc. (Kordsa Incorporated), Composites One LLC (Synergy55 Inc.), Gurit Holding, Hexcel Corporation, Mitsubishi Chemical Corporation, Park Aerospace Corp., SGL Carbon SE, Solvay S.A., Sunrez Corporation, Teijin Limited, Toray Industries Inc. and Ventec International Group.

Key Questions Answered in This Report

1. What was the size of the global prepreg market in 2022?
2. What is the expected growth rate of the global prepreg market during 2023-2028?
3. What are the key factors driving the global prepreg market?
4. What has been the impact of COVID-19 on the global prepreg market?

5. What is the breakup of the global prepreg market based on the resin type?
6. What is the breakup of the global prepreg market based on the fiber type?
7. What is the breakup of the global prepreg market based on manufacturing process?
8. What is the breakup of the global prepreg market based on the end use industry?
9. What are the key regions in the global prepreg market?
10. Who are the key players/companies in the global prepreg market?

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