

BMI Prepreg Market Trends: Trends, Opportunities and Competitive Analysis [2024-2030]

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Abstracts

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BMI Prepreg Market Trends and Forecast

The future of the global bismaleimide (BMI) prepreg market looks promising with opportunities in defense, commercial aerospace and general aviation markets. The future of the global bismaleimide (BMI) prepreg market looks promising with opportunities in defense, commercial aerospace and general aviation markets. The global BMI prepreg market is expected to reach an estimated \$224 million by 2030 with a CAGR of 6% 2023 to 2030. The major driver for this market is increasing demand for high temperature-resistance composites material to replace metals in applications where extreme heat and harsh environmental conditions is most critical.

Lucintel forecasts that defense will remain the largest end-use during the forecast period due to increasing demand of BMI prepreg in high heat resistance applications in military aircrafts and missiles

Tooling will remain the largest application and it is also expected to witness the highest growth over the forecast period, as BMI prepreg based tool is three times lighter and economical than invar tool.

North America is expected to remain the largest region and witness the highest growth over the forecast period due to a growing demand for lightweight and high heat resistance materials in defense, commercial aerospace, and general

aviation industries.

North America is expected to remain the largest region in the BMI Prepreg Market

1. **United States:** Companies like Hexcel Corporation and Toray Industries Inc. are investing in research and development to expand their BMI prepreg product lines for aerospace and defense applications. Hexcel Corporation has announced initiatives to increase the production capacity of BMI prepregs to meet the growing demand from the aviation sector. The US government has allocated funds for the development of lightweight and high-performance materials, supporting the growth of the BMI prepreg market.

2. **China:** Chinese companies such as Cytec Solvay Group and Shanghai Richeng Electronic Co., Ltd. are focusing on developing BMI prepregs for use in electronics and automotive industries. Cytec Solvay Group has announced collaborations with academic institutions to enhance the performance of BMI prepregs in high-temperature applications. The Chinese government has introduced policies to promote the adoption of advanced materials in key industries, driving demand for BMI prepregs.

3. **Japan:** In Japan, companies like Mitsubishi Chemical Corporation and Toho Tenax Co., Ltd. are investing in the production of BMI prepregs for use in the automotive and sporting goods sectors. Mitsubishi Chemical Corporation has announced targets to reduce the cost of BMI prepregs through process optimization and automation. The Japanese government has launched initiatives to support research and development in advanced materials, providing incentives for companies in the BMI prepreg market.

4. **Germany:** German companies like SGL Carbon SE are focusing on developing lightweight BMI prepregs for use in the aerospace and automotive industries. SGL Carbon SE has announced plans to invest in new production facilities for BMI prepregs to cater to the European market. The German government has introduced regulations to reduce carbon emissions from transportation, driving demand for lightweight materials like BMI prepregs.

5. **South Korea:** In South Korea, companies such as Hanwha Advanced Materials Corporation are expanding their BMI prepreg production capacities to meet the demand from the electronics and renewable energy sectors. Hanwha Advanced

Materials Corporation has announced initiatives to develop environmentally friendly BMI preregs with reduced VOC emissions. The South Korean government has launched programs to promote the adoption of advanced materials in key industries, supporting the growth of the BMI prepreg market

Emerging Trends in the BMI Prepreg Market

Emerging trends, which has a direct impact on the dynamics of the industry, includes increasing penetration of BMI prepreg in out-of-autoclave technology.

A total of 89 figures / charts and 64 tables are provided in this 139-page report to help in your business decisions. A sample figure with insights is shown below.

BMI Prepreg Market by Segment

The study includes a forecast for the global BMI prepreg market by end use, application reinforcement type, cure type, and region as follows:

Global BMI Prepreg Market by End Use [Value (\$M) and Volume (Million Pounds) Shipment Analysis for 2018 – 2030]:

Defense

Commercial Aerospace

General Aviation

Others

Global BMI Prepreg by Application [Value (\$M) and Volume (Million Pounds) shipment analysis for 2018 – 2030]:

Tooling

Airframe

Nacelles

Others

Global BMI Prepreg Market by Reinforcement Type [Value (\$M) and Volume (Million Pounds) shipment analysis for 2018 – 2030]:

Fabric/Woven BMI Prepreg

Unidirectional BMI Prepreg

Global BMI Prepreg by Cure Type [Value (\$M) and Volume (Million Pounds) Shipment Analysis for 2018 – 2030]:

Autoclave

Out-of-Autoclave

Other Cure Types

Global BMI Prepreg by Region [Volume (Million Pounds) and Value (\$M) shipment analysis for 2018 – 2030]:

North America

Europe

Asia Pacific

The Rest of the World

List of BMI Prepreg Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies BMI prepreg companies cater increasing demand, ensure

competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the BMI prepreg companies profiled in this report includes.

Hexcel Corporation

Toray Industries Inc.

Solvay

Mitsubishi Chemical Corporation

Gurit

Features of BMI Prepreg Market

Market Size Estimates: BMI prepreg market size estimation in terms of value (\$M) and volume (M lbs)

Trend and Forecast Analysis: Market trends (2018-2023) and forecast (2024-2030) by various segments and regions.

Segmentation Analysis: Market size by end use, application, reinforcement type, cure type and region

Regional Analysis: BMI prepreg market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different end use, application, reinforcement type, cure type, and regions for the BMI prepreg market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape for the BMI prepreg market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the BMI prepreg market size?

Answer: The global BMI prepreg market is expected to reach an estimated \$224 million by 2030.

Q2. What is the growth forecast for BMI prepreg market?

Answer: The BMI prepreg market is expected to grow at a CAGR of 6% from 2023 to 2030.

Q3. What are the major drivers influencing the growth of the BMI prepreg market?

Answer: The major driver for this market is increasing demand for high temperature-resistance composites material to replace metals in applications where extreme heat and harsh environmental conditions is most critical.

Q4. What are the major applications or end use industries for BMI prepreg?

Answer: Defense and commercial aerospace are the major end uses for BMI prepreg.

Q5. What are the emerging trends in BMI prepreg market?

Answer: Emerging trends, which has a direct impact on the dynamics of the industry, includes increasing penetration of BMI prepreg in out-of-autoclave technology.

Q6. Who are the key BMI prepreg companies?

Answer: Some of the key BMI prepreg companies are as follows:

Cytec Solvay Group

Hexcel Corporation

Toray Industries Inc.

Mitsubishi Chemical Corporation

Gurit

Q7. Which BMI prepreg material segment will be the largest in future?

Answer: Lucintel forecasts that tooling will remain the largest application and it is also expected to witness the highest growth over the forecast period, as BMI prepreg based tool is three times lighter and economical than Invar tool.

Q8: In BMI prepreg market, which region is expected to be the largest in next 5 years?

Answer: North America is expected to remain the largest region and witness the highest growth over next 5 years.

Q9. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1 What are some of the most promising, high-growth of global bismaleimide (BMI) prepreg market by end use (defense, commercial aircraft, general aircraft and others) application (tooling, airframe, nacelles and others), reinforcement type (fabric/woven BMI prepreg and unidirectional BMI prepreg), cure type (autoclave, out-of-autoclave and others), regional (North America, Europe APAC, and ROW).

Q. 2 Which segments will grow at a faster pace and why?

Q.3 Which regions will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the market?

Q.5 What are the business risks and threats to the market?

Q.6 What are the emerging trends in this market and the reasons behind them?

Q.7 What are the changing demands of customers in the market?

Q.8 What are the new developments in the market? Which companies are leading these developments?

Q.9 What are the major players in this market? What strategic initiatives are being implemented by key players for business growth?

Q.10 What are some of the competitive products and processes in this area and how big of a threat do they pose for loss of market share via material or product substitution?

Q.11 What M & A activities have taken place in the last 5 years in this market?

For any questions related to BMI prepreg market or related BMI prepreg market size, BMI prepreg market analysis, BMI prepreg suppliers, BMI prepreg manufacturers, BMI prepreg raw material, BMI prepreg cost, BMI prepreg market trend and forecast, BMI prepreg applications, write Lucintel analyst at email: helpdesk@lucintel.com. We will be glad to get back to you soon.

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