



# Strategic Growth Opportunities in Global Prepreg Market

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PRESENTED BY

Lucintel

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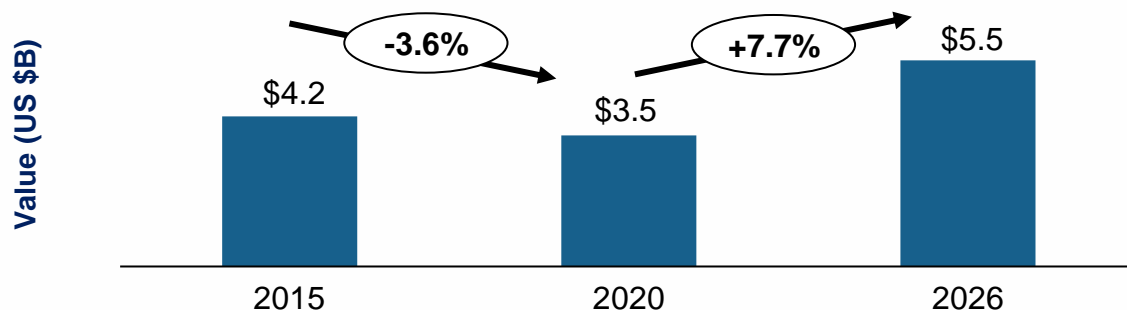
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Market Intelligence + Growth Consulting + Opportunity Screening + M&A Due Diligence + Benchmarking = **Your Company's Growth.**

[www.lucintel.com](http://www.lucintel.com)

# Global Prepreg Market is Expected to reach \$5.5 Billion by 2026 with CAGR of 7.7%

Trends and Forecast for the Global Carbon Fiber Market (US \$B) (2015-2026)



Source: Lucintel





Top Companies
Hexcel Corporation
Solvay
Toray
Gurit
Mitsubishi Chemical

## Opportunities for Global Prepreg by Various End Use Industries, Resin Type, Reinforcement Type, Weave Type, Manufacturing Technology, and Type of Prepreg

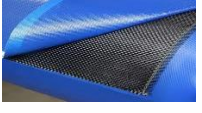

End Use Industry	Resin Type	Reinforcement Type	Weave Type	Manufacturing Technology	Type of Prepreg
<ul style="list-style-type: none"> <li>Commercial Aerospace</li> <li>Military / Defense</li> <li>General Aviation</li> <li>Space / Satellite</li> <li>Sporting Goods</li> <li>Marine</li> <li>Wind Energy</li> <li>Automotive</li> <li>Civil Engineering</li> <li>Others</li> </ul>	<ul style="list-style-type: none"> <li>Epoxy</li> <li>BMI</li> <li>Phenolic</li> <li>Cynate Ester</li> <li>Thermoplastics</li> </ul>	<ul style="list-style-type: none"> <li>Carbon Fiber</li> <li>Glass Fiber</li> <li>Aramid Fiber</li> </ul>	<ul style="list-style-type: none"> <li>UD Prepreg</li> <li>Fabric Prepreg</li> </ul>	<ul style="list-style-type: none"> <li>Solvent dip</li> <li>Hot melt</li> </ul>	<ul style="list-style-type: none"> <li>Thermoset</li> <li>Thermoplastic</li> </ul>

# In This Market, Commercial Aerospace is the Largest Segment by End Use, whereas Carbon Fiber Prepreg is Largest Segment by Fiber Type

## Global Prepreg Market by End Use Industry

		<i>Growth Rate</i>			<i>Growth Rate</i>
	<b>Commercial Aerospace</b>	↑		<b>Marine</b>	↑
	<b>Military Defense</b>	↑		<b>Wind Energy</b>	→
	<b>General Aviation</b>	↑		<b>Automotive</b>	↑
	<b>Space and Satellite</b>	↑		<b>Civil Engineering</b>	↑
	<b>Sporting Goods</b>	↑		<b>Others</b>	↑

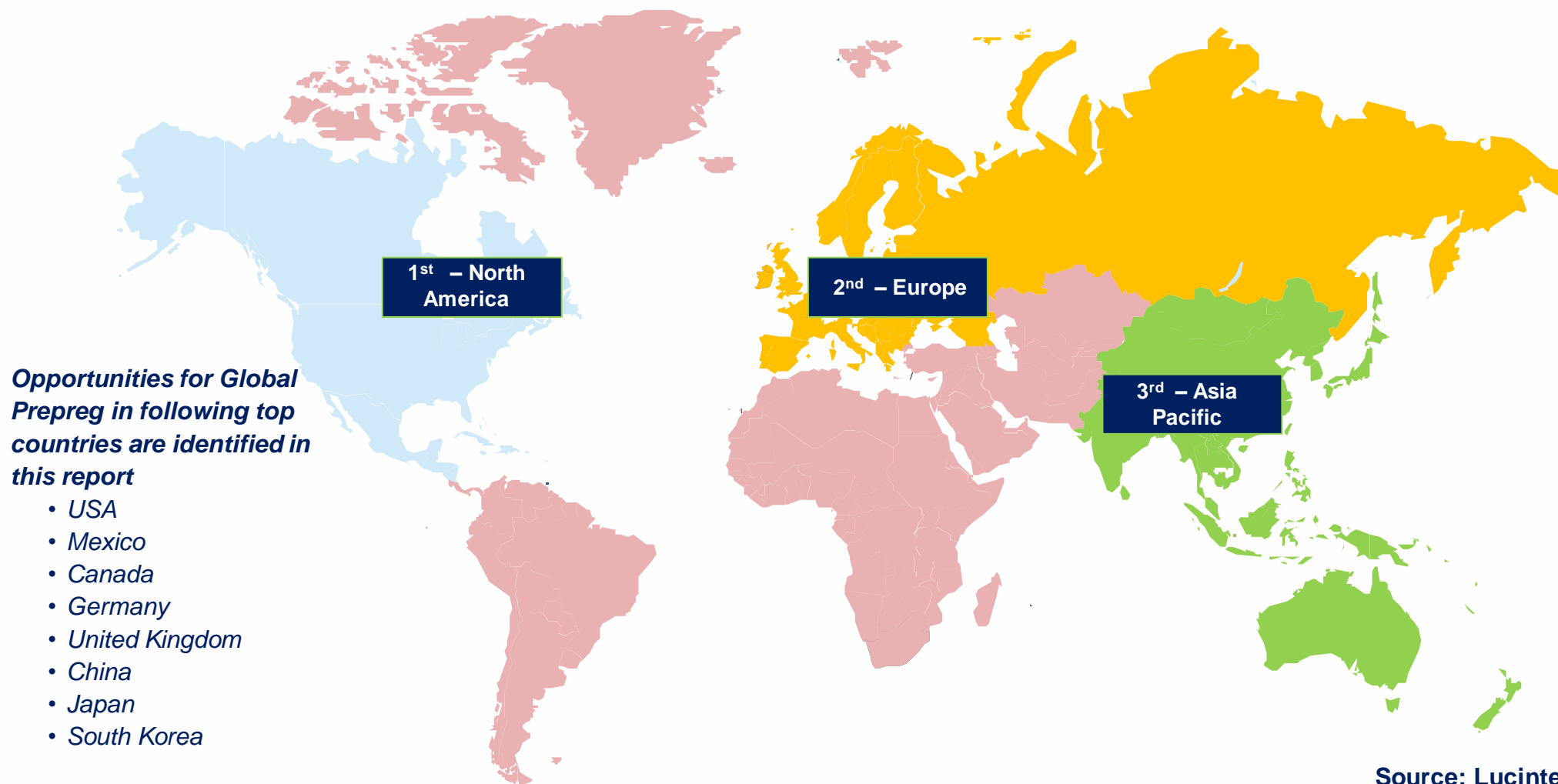
## Global Prepreg Market by Reinforcement Type

		<i>Growth Rate</i>
	<b>Carbon Fiber</b>	↑
	<b>Glass Fiber</b>	↑
	<b>Aramid Fiber</b>	↑

**CAGR (2020-2026):** *Negative* <0% ↓ *Flat* 0%-3% → *Growing* >3% ↑

Source: Lucintel

## In Terms of Regions, North America Provides the Largest Opportunity for Global Prepreg Market, Followed by Europe and APAC



# Ecosystem of the Global Prepreg Market is Composed of Diverse Group of Companies



Source: Lucintel

## Demand for High Strength and Lightweight Material and Increasing A&D Production are the Major Drivers of Global Prepreg Market

### Key Drivers

**Demand for High Strength and Lightweight Material:** Rising prepreg demand from the aerospace & defense, automotive, and sporting goods industries owing to its high strength to weight ratio

**Increasing A&D Production:** Surge in passenger and freight traffic anticipated to the increase in aircraft production and increasing investment in modernization along with expansion of combat aircraft fleet in countries, such as India and China increases prepreg demand

**Long-term Supplier Contracts with Aircraft Manufacturers:** Prepreg manufacturer always enter into long-term supply contracts with aircraft manufacturers. Aircraft manufacturers are often involved in monitoring the materials throughout the value chain from design to component manufacturing to ensure the quality

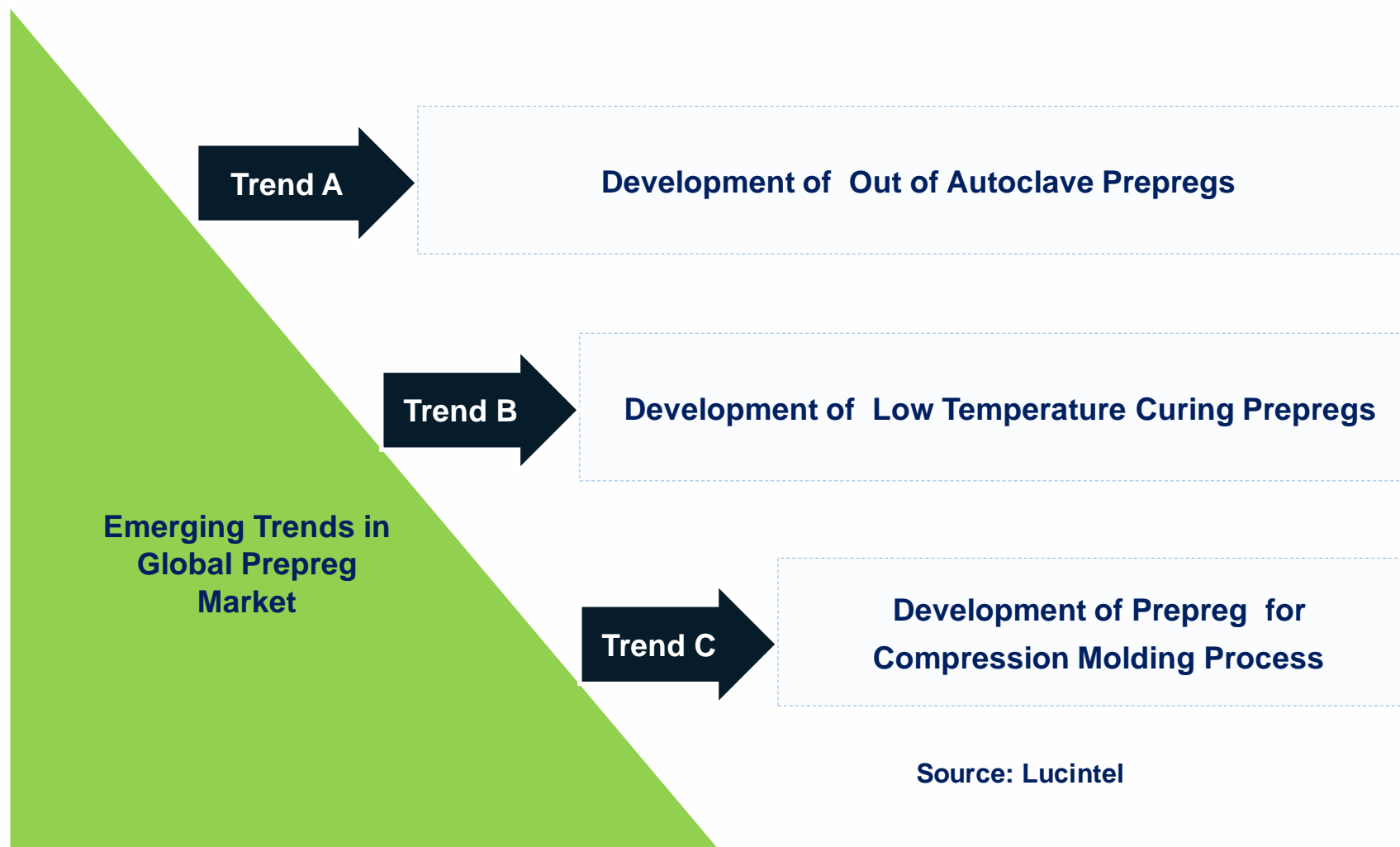
### Key Challenges

**High Cost:** High manufacturing cost for aramid, carbon, and glass fibers, which are used as raw materials for the production of prepreg increase the product price

**COVID-19 Impact:** Coronavirus (COVID-19) is having a significant impact on businesses and the economy. End use industry growth will witness negative impact in the Year 2020 due to manufacturing lockdown, and labour shortage. Hence Prepreg market will also witness the negative growth.

Source: Lucintel

## Development of Out of Autoclave Prepreg and Low Temperature Curing Prepregs Some of the Emerging Trends of Prepreg Market



## Develop Capabilities to Produce (OOA) Cure Prepregs and Low Temperature Cure Prepreg to Reduce Cost of Prepreg and Provide Strategic Growth Paths

### Strategic Considerations in Global Prepreg Market

#### Develop Capabilities

- Players of global prepreg market can focus in the development of Out-Of-Autoclave (OOA) Cure Prepregs and Low temperature cure prepreg to achieve 0% void and lower tooling cost
- Companies should develop prepreg with bismaleimide (BMI) matrix resin which offers high resistance to both heat and impact. These product are ideally suitable to use in aerospace engine components
- Research and development activities to develop low cost prepreg for wind turbine blades

#### Alliances / In-organic Expansions

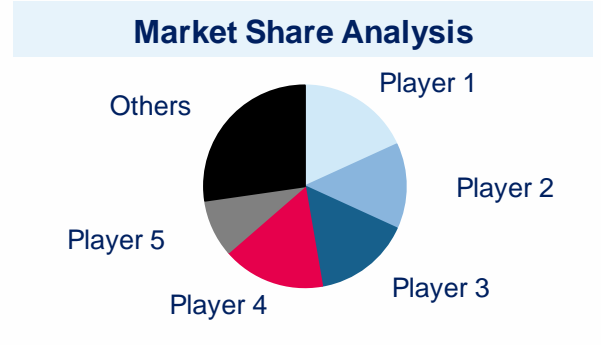
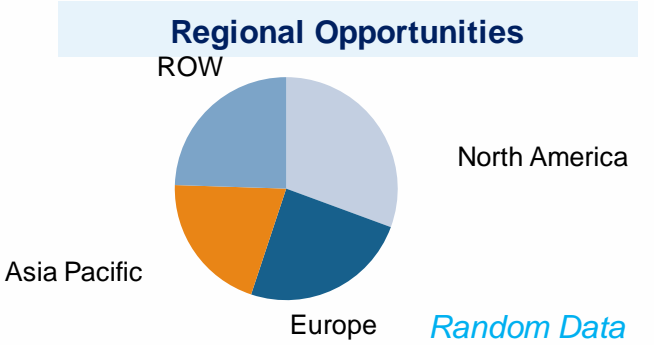
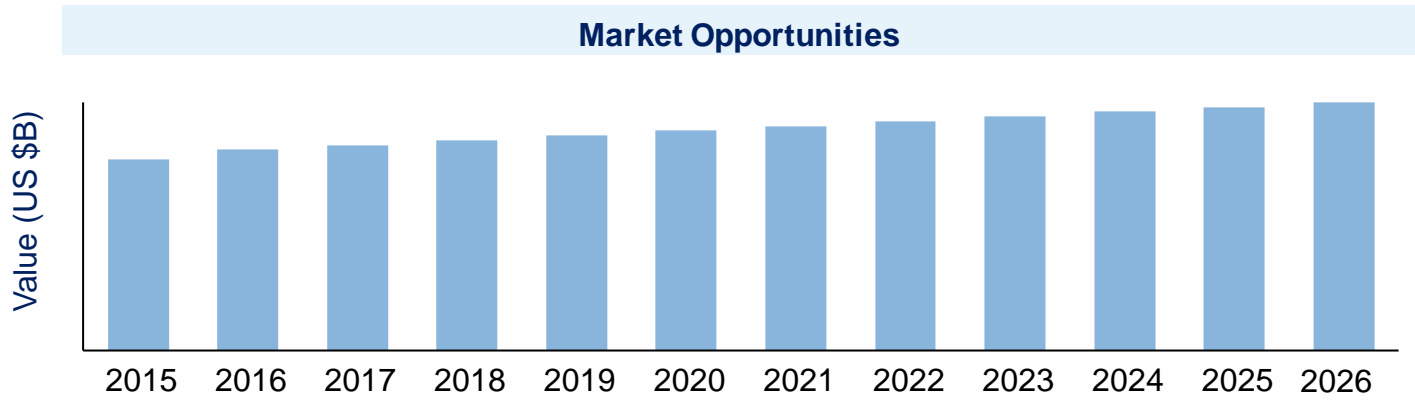
- Companies should focus more on fast-growing segments, while maintaining their positions in the slow-growing segments.
- Developing footprints in North American countries, where the aerospace industry is growing

Source: Lucintel



# These Insights are Based on Below Market Report from Lucintel. It can help you Identify New Opportunities by Various Segments and Regions

[Click for detail: https://www.lucintel.com/prepreg-market.aspx](https://www.lucintel.com/prepreg-market.aspx)



- ### Other Coverage in Report
- *New Product Development*
  - *Company Expansion*
  - *Merger Acquisitions & JV*
  - *Company Profiling*

**Note:** These insights are based on recently launched Lucintel’s Report in the Global Prepreg Market, which has 350+ Page and over 150+ charts and tables. Lucintel also offers 10% free customization on above report based on your needs.

## Lucintel has an Extensive Toolkit to Address Strategic Questions



### Key Questions

- Is market space / opportunity of current product offerings sufficiently robust?
- Market is focus for many: how can my company profitably differentiate?
- Based on our core skills, where should we focus?
- Should we build or buy? Is build even an option?
- What game changer actions exist and/or is a more incremental approach best?
- What is the order sequence of market entry segments / products?

## Lucintel - At a Glance

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**Strategic advice:** Over 20 years of proven global strategic management consulting experience

### Industries Served



## Contact Us



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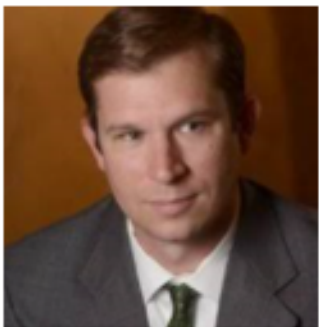
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