

# Growth Opportunities for Composites in the Global Rail Industry

<https://marketpublishers.com/r/GA94B278EA9EN.html>

Date: February 2017

Pages: 137

Price: US\$ 4,850.00 (Single User License)

ID: GA94B278EA9EN

## Abstracts

Trends, opportunities and forecast in this market to 2021 by by end use application (interior, exterior), manufacturing process (open mold, pultrusion, RTM/VARTM, SCRIMP, injection molding and others), fiber (glass fiber, carbon fiber and others), resin (polyester, vinyl ester, phenolic, epoxy and others) and by region (North America, Europe, Asia Pacific, and the Rest of the World)

The future of global rail composites market looks good with opportunities in the interior and exterior applications. The market for composites applications in the global rail industry is expected to reach an estimated \$821 million by 2021 and it is forecast to grow at a CAGR of 3.6% from 2016 to 2021. The major drivers for the growth of this market are increased demand for lightweight materials and development of high speed trains. Furthermore, composites offer higher performance benefits than traditional materials like steel and aluminum.

Emerging trends which have a direct impact on the dynamics of the industry include the development of green technology products and high performance composites for interior and exterior applications.

The study includes a forecast for the growth opportunities for the global rail composites market by end use application, resin, fiber, manufacturing process, and region as follows:

Rail composites market by end use application [Volume (M lbs) and Value (\$ Million) from 2010 to 2021]:

Interior

Exterior

Rail composites market by manufacturing process [Volume (M lbs) and Value (\$ Million) from 2010 to 2021]:

Open mold

Pultrusion

RTM/VARTM

SCRIMP

Injection Molding

Others

Rail composites market by fiber [volume (M lbs) and Value (\$ Million) from 2010 to 2021]:

Glass fiber

Carbon fiber and Others

Rail composites market by resin [volume (M lbs) and Value (\$ Million) from 2010 to 2021]:

Polyester

Vinyl Ester

Phenolic

Epoxy

Others

Rail composites market by region [volume (M lbs) and Value (\$ Million) from 2010 to 2021]:

North America

Europe

Asia Pacific

Rest of the World

Rail composites market companies profiled in this market report include Joptek Composites, Sintex Wausaukee Composites, Exel Composites, Miles Fiberglass & Composites, and TPI Composite.

On the basis of comprehensive research, the author forecasts that the interior segment is expected to show above average growth during the forecast period of 2016 to 2021.

By application in the global rail industry, the interior segment is expected to remain the largest market by volume. Increasing demand for high performance, fire retardant materials with good aesthetic properties are the major driving forces that spur growth for this segment over the forecast period.

Europe is expected to remain the largest market for composite consumption in the rail industry, whereas APAC is likely to witness the highest growth rate during the forecast period due to expected increase in high speed train production and growing demand for mass transportation in the region.

Some of the features of “Growth Opportunities for Composites in the Global Rail Industry 2016-2021: Trends, Forecast, and Opportunity Analysis” include:

Market size estimates: Rail composites market size estimation in terms of value (\$M) and volume (M lbs.) shipment.

Trend and forecast analysis: Market trend (2010-2015) and forecast (2016-2021) by

region and segments.

Segmentation analysis: Rail composites market size by various applications such as end use application, manufacturing process, fiber, and resin in terms of value and volume shipment

Regional analysis: Rail composites market breakdown by key regions such as North America, Europe, Asia Pacific, and Rest of the World.

Growth opportunities: Analysis on growth opportunities in different applications and regions.

Strategic analysis: This includes M&A, new product development, competitive landscape, and expansion strategies of rail composites market suppliers.

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

This report addresses the following key questions:

Q.1. What are some of the most promising, high-growth opportunities for composites in rail industry by end use application (interior, exterior), manufacturing process (open mold, pultrusion, RTM/VARTM, SCRIMP, injection molding and others), fiber (glass fiber, carbon fiber and others), resin (polyester, vinyl ester, phenolic, epoxy and others) and by region (North America, Europe, Asia Pacific, and the Rest of the World)?

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

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

Q.4. What are the key factors affecting market dynamics? What are the drivers, challenges, and business risks in rail composites market ?

Q.5. What are the business risks and competitive threats in this market?

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

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

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

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

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by product substitution?

Q.11. What M&A activity has occurred in the last 5 years?

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