

# Opportunities in Continuous Fiber Reinforced Thermoplastic Composites 2009 - 2014 June 2009

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## Abstracts

Continuous Fiber Reinforced Thermoplastics (CFTs) have a history of about 25 years and it differs from short fiber reinforced thermoplastics such as LFRT and GMT in terms of fiber length. CFTs include a variety of products, including unidirectional prepregs, fabric based prepregs, narrow tapes, commingled fibers in roving and fabric forms, sheets, and rods. Historically, CFTs were used in niche applications in aerospace and defense market. But in recent years, the market has exploded in automotive, sporting, transportation, industrial and other applications. Demand has been driven by a variety of aerospace, automotive and truck applications. However, CFTs are even finding their way into furniture, fastener, medical, marine, and other applications adding on to increase in use of thermoplastic composites by Airbus and Boeing and other commercial aircraft manufacturers.

The Continuous Fiber Reinforced Thermoplastics (CFT) market has experienced significant growth during last 5 years and is expected to reach \$188.7 million in 2014 with a global growth rate of 12% for the next five years. The critical success factor for CFTs material producers will increasingly be not only about developing new products at low cost; in addition, Lucintel believes the most successful companies will be those that can develop application-specific, customer-focused solutions and have the ability to help their customers achieve long-term business objectives, such as increasing performance or lowering costs.

The CFTs materials are at the growth stage on life cycle curve. Cost efficiency; time-to-market; and pricing are major factors in gaining customer confidence and increase market share. The biggest hurdles at manufacturers end are immature manufacturing base as compared to thermoset composites, high capital cost and weak material knowledge at end user level due to lack of material data base. That shows a high

potentials and eager for innovation in CFTs market. To gain competitive advantage in this segment materials suppliers have to focus on growth opportunities through: new / improved applications; competence in process development and a customer oriented and innovation driven growth strategy. Lucintel's comprehensive analysis unlocks an opportunity to cater CFTs market in thermoplastic composites industry.

In an industry that is increasingly looking to the developing markets to sustain long-term growth, 'Opportunities in Continuous Fiber Reinforced Thermoplastics 2009-2014: Trends, Forecast and Opportunity Analysis' is the only publication in the world to provide up to date information on the state of the emerging markets in thermoplastic composites. Never before there has been a report addressing the issues of the CFTs market. This unique report from Lucintel will provide you with all the valuable information and tools that you may need in operating your business successfully and learn potentials of CFT Market. This report will save you hundreds of hours of your own personal research time and will significantly benefit you in expanding your business in the thermoplastic composites market. In today's stringent economy, you need every advantage that you can find to keep ahead in your business.

To make any investment, business or strategic decisions, you need timely and adequate information. This market report fulfills this core need. This is an indispensable reference guide for material suppliers, product manufacturers, investors, analysts, researchers, engineers, distributors and many more, who are dealing with the thermoplastic composites industry. This report takes a long-look at the Continuous Fiber Reinforced Thermoplastics in thermoplastic composites industry.

**Some of the features of this market report are:**

Annual shipment (in terms of lbs and \$ value) of Continuous Fiber Reinforced Thermoplastics (CFTs).

Continuous Fiber Reinforced Thermoplastics market breakdown by region, by material form (prepreg, commingled fiber, other pultruded products), by applications (automotive, aerospace, industrial, etc.), by material type (reinforcement, matrix type) for this rapidly changing market.

Growth trend (2003-2008) and market forecast (2009-2014).

Comparison of Continuous Fiber Reinforced Thermoplastics market with

discontinuous fiber (LFRT, GMT) reinforced thermoplastic composites market.  
Market size for long fiber reinforced thermoplastic composites (LFRT) and glass mat thermoplastics (GMT).

Ranking of material suppliers by lb and \$ shipment.

More than 100 applications of Continuous Fiber Reinforced Thermoplastics.  
Detailed description on 40 applications with type of material forms used, molder name, manufacturing process used, and application description.

Profiles on material suppliers / industry leaders.

Description and contact addresses of 38 end users / molders.

Price and property comparisons of various forms of Continuous Fiber Reinforced Thermoplastics.

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