

India Carbon Fiber and Composites Market Outlook to 2018 - Surging Demand from Aerospace, Defence and Industrial Sectors

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Abstracts

The report titled 'India Carbon Fiber and Composites Market Outlook to 2018 – Surging Demand from Aerospace, Defence and Industrial Sectors' presents a comprehensive analysis of the industry aspects including market size by value and consumption volume of carbon fiber and carbon fiber composites along with market segmentation by type of raw materials used, grades, applications, end-user sectors, and semi-finished products. The report also entails a detailed description on the recent trends and developments in the market, government regulations, major challenges and competitive scenario of major players in the industry along with providing market share of major companies in the overall market.

The carbon fiber market in India has grown moderately from 2008 to 2013 in terms of the consumption volume. The industry registered brisk growth in the last few years driven by the increased demand for carbon fiber and carbon fiber composites, technology advances and increased penetration of market players. The market has registered a CAGR of 18.8% during 2008-2013 by rising from ~ tonnes in 2008 to ~ tonnes in 2013.

India carbon fiber market is mainly dominated by the foreign companies such as Toray, Hexcel, Zoltek and Toho. The total revenue of carbon fiber market in India has grown significantly at a CAGR of 17.1% during 2008-2013. The carbon fiber market in India witnessed revenue worth INR ~ million in 2013 which grew from INR ~ million in 2008.

The carbon fiber composites segments constitute the major part of carbon fiber market in India which accounted for almost ~% in the total revenue of carbon fiber industry in 2013. The market over the years has showcased growth from INR ~ million in 2008 to

INR ~ million in 2013, thus marking a CAGR of 21.4 % during the period.

Aerospace & defence sector commanded the largest share of ~% of the total India carbon fiber market revenue in the country in 2013, thus rising from ~% in 2008 followed by industrial sector which grew from INR ~ million in 2008 to INR ~ million in 2013. Consumer and sports equipment market have also showcased double digit growth rate in terms of the market revenue and has risen its share from ~% in 2010 to ~% in 2013. In the industrial sector, the civil and construction sector was the largest purchaser of innovative carbon fiber derivatives and contributed INR ~ million in the total revenue of the industrial carbon fiber market in 2013.

Toray was the market leader in the aerospace and defence carbon fiber market commanding an approximate share of ~% in the overall carbon fiber market revenue including composites in 2013. Hexcel stood as the second largest player in the Indian aerospace and defence market of carbon fiber. The company captured market share of ~% in total carbon fiber market revenue in India as of 2013. The industrial carbon fiber market in India was majorly dominated by global giants, Zoltek and Toho. Zoltek commanded a market share of ~% in the total industrial carbon fiber market revenue in 2013. Toho Tenax accounted for a ~% share in the overall industrial carbon fiber market revenue in India in 2013. The consumer and sports equipment market of carbon fiber in India was largely dominated by Formosa and other players including SGL and Mitsubishi with the former having a greater market share of compared to the latter.

The future of the India carbon fiber market is expected to be favorable on account of increasing application of carbon fiber in newer product segments such as deep water drilling platforms, drill pipes, semi-conductor materials, rising number of buildings and apartments in the country owing to the rising urban population and rising GDP of India. The rising awareness about benefits of carbon fiber over metals will encourage players in the India carbon fiber market to expand their centers across the potential markets in India. In terms of volume consumption the carbon fiber market in India is projected to grow at a CAGR of ~% during 2013-2018. On the other hand, the carbon fiber market in India is expected to generate revenue worth INR ~ million in 2018, by growing at a CAGR of ~% over the period of 2013-2018.

KEY TOPICS COVERED IN THE REPORT

The market size of the India carbon fiber market in terms of value and volume consumption in the last six years (2008 – 2013)

India carbon fiber market segmentation by type of raw materials used, grade, applications, semi finished products and manufacturing processes, and end-users.

The market size of the India carbon fiber composite market in terms of value in the last six years (2008-2013)

India carbon fiber composites market segmentation by type of composites including carbon fiber reinforced polymers, carbon-carbon, metal matrix and ceramic matrix composites.

Market share of major players and company profiles of the major brands and players operating in the carbon fiber market (Toray, Toho, Hexcel, Zoltek and others)

Trends and Developments and Government regulations in the carbon fiber market in India

Major challenges in the carbon fiber market in India

Future projections and macro economic factors of the India carbon fiber market

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