Global Carbon Fiber Reinforced Polymer Market Information-Application (Construction, Electrical Isolation, Industrial, Marine and Others), by Production Process (Polyacrylonitrile (PAN) Precursor and Petroleum Pitch Precursor) and by Region - Forecast to 2022

Market Synopsis of Carbon Fiber Reinforced Polymer Market:
Globally, carbon fiber reinforced polymer has increased its market growth in recent years and is expected to grow at a rapid pace in the forecasted period. Fiber reinforced polymer composites are made by combining a plastic polymer resin together with strong reinforcing fibers. Here components retain their original form and contribute their own unique properties that result in a new composite material with enhanced overall performance. Reinforcing polymer material with fibers improves their strength and stiffness. The polymer resin is typically viscous and may be easily molded but is relatively weak. The resin component protects against abrasion or chemical attack to the material surface and acts as a binder for the reinforcing fibers, which mechanically supports and transfer loads in the composite.

In 2012, United States carbon fiber manufacturers had a total nameplate capacity of 53.2 million pounds representing about 28% of global production capacity. Two general manufacturing methods for carbon fibers have been commercialized to date. : The first involves production of carbon fibers from a polyacrylonitrile (PAN) precursor, while the second method involves the conversion of a petroleum pitch precursor. The PAN process so far has been the most common method used, accounting for approximately 95% of U.S. production capacity. According to MRFR analysis the PAN process was considered as the current typical and state-of-the-art manufacturing method for carbon fibers.

Geographically, Asia Pacific has dominated the market for global carbon fiber reinforced polymer market with the largest market share, followed by North America and Europe which are the growing market for global carbon fiber reinforced polymer market and is expected to grow at the CAGR of XX% respectively from 2016 to 2022.

Key Players
The key players in market includes 3M, Aciturri, Bassara, Caproni, Dow Chemical Dr. Schnabel GmbH & Co.KG, DuPont, Nissan, Bombardier, and Gurit

Study Objectives of Carbon Fiber Reinforced Polymer Market is to Provide Following Benefits

- Provides detail about global carbon fiber reinforced polymer market by application, by production process and by region in forecasted period i.e. till 2022.
- Identifies the market dynamics of carbon fiber reinforced polymer market dynamics by drivers, restrains, opportunities and challenges.
- Analyzes various factors like value chain analysis and Porters five Forces model.
- Gives past and estimated future revenue of market segment with respect to APAC, North America, Europe, and other parts of the world.
- Gives strategic profiling of key players in the market, comprehensively analyzing their core competencies, and drawing a competitive landscape for the market.
- Tracks mergers and acquisitions, strategic alliances, new product development of each applicant of the carbon fiber reinforced polymer

Intended Audience
Manufacturers and distributors of Carbon Fiber Reinforced Polymer.
Suppliers and traders of Carbon Fiber Reinforced Polymer.
Government, associations and industrial bodies.
Investors and Trade experts.
Consulting in chemical experts.

Geographic Analysis
The report covers brief analysis of geographical region includes

North America
- US
- Canada

Europe
- Germany
- France
- Italy
- Netherlands
- UK
- Rest of Europe

APAC
- China
- India
- Japan
- Rest of Asia-Pacific

RoW
- South America
- Middle East
- Africa

Contents:

1 Executive Summary
2 Scope of The Report
  2.1 Market Definition
  2.2 Scope of The Study
    2.2.1 Research Objectives
    2.2.2 Assumptions & Limitations
  2.3 Markets Structure
3 Market Research Methodology
  3.1 Research Process
  3.2 Secondary Research
  3.3 Primary Research
  3.4 Forecast Model
4 Market Landscape
  4.1 Five Forces Analysis
    4.1.1 Threat of New Entrants
    4.1.2 Bargaining power of buyers
    4.1.3 Threat of substitutes
    4.1.4 Segment rivalry
  4.2 Value Chain/Supply Chain of Global Carbon Fiber Reinforced Polymer Market
5 Industry Overview of Global Carbon Fiber Reinforced Polymer Market
  5.1 Introduction
  5.2 Growth Drivers
  5.3 Impact analysis
  5.4 Market Challenges
  5.5 Impact analysis
6 Market Trends

6.1 Introduction
6.2 Growth Trends
6.3 Impact analysis

7. Global Carbon Fiber Reinforced Polymer Market by Region

8. Global Carbon Fiber Reinforced Polymer Market by Application (Construction, Electrical Isolation, Industrial, Marine and Others)


11. Company Profiles

11.1 3M
11.1.1 Overview
11.1.2 Financials
11.1.3 Product Portfolio
11.1.4 Business Strategies
11.1.5 Recent Development
11.2 Aciturri
11.2.1 Overview
11.2.2 Financials
11.2.3 Product Portfolio
11.2.4 Business Strategies
11.2.5 Recent Development
11.3 Bassara
11.3.1 Overview
11.3.2 Financials
11.3.3 Product Portfolio
11.3.4 Business Strategies
11.3.5 Recent Development
11.4 Caproni
11.4.1 Overview
11.4.2 Financials
11.4.3 Product Portfolio
11.4.4 Business Strategies
11.4.5 Recent Development
11.5 Dow Chemical
11.5.1 Overview
11.5.2 Financials
11.5.3 Product Portfolio
11.5.4 Business Strategies
11.5.5 Recent Development
11.6 Dr. Schnabel GmbH & Co.KG
11.6.1 Overview
11.6.2 Financials
11.6.3 Product Portfolio
11.6.4 Business Strategies
11.6.5 Recent Development
11.7 DuPont
11.7.1 Overview
11.7.2 Financials
11.7.3 Product Portfolio
11.7.4 Business Strategies
11.7.5 Recent Development

11.8 Nissan
11.8.1 Overview
11.8.2 Financials
11.8.3 Product Portfolio
11.8.4 Business Strategies
11.8.5 Recent Development

11.9 Bombardier
11.9.1 Overview
11.9.2 Financials
11.9.3 Product Portfolio
11.9.4 Business Strategies
11.9.5 Recent Development

11.10 Gurit
11.10.1 Overview
11.10.2 Financials
11.10.3 Product Portfolio
11.10.4 Recent Development

11 Conclusion

List of Tables

Table 1 World Population by Major Regions (2015 To 2030) (Million)
Table 2 Global Carbon Fiber Reinforced Polymer Market: By Region, 2014-2022 (USD Million)
Table 3 North America Carbon Fiber Reinforced Polymer Market: By Country, 2014-2022 (USD Million)
Table 4 Europe Carbon Fiber Reinforced Polymer Market: By Country, 2014-2022 (USD Million)
Table 5 Asia-Pacific Carbon Fiber Reinforced Polymer Market: By Country, 2014-2022 (USD Million)
Table 6 RoW Carbon Fiber Reinforced Polymer Market: By Country, 2014-2022 (USD Million)
Table 7 Global Carbon Fiber Reinforced Polymer by Application Market: By Regions, 2014-2022 (USD Million)
Table 8 North America Carbon Fiber Reinforced Polymer by Application Market: By Country, 2014-2022 (USD Million)
Table 9 Europe Carbon Fiber Reinforced Polymer by Application Market: By Country, 2014-2022 (USD Million)
Table 10 Asia-Pacific Carbon Fiber Reinforced Polymer by Application Market: By Country, 2014-2022 (USD Million)
Table 11 RoW Carbon Fiber Reinforced Polymer for Application Market: By Country, 2014-2022 (USD Million)
Table 12 North America Carbon Fiber Reinforced Polymer for Application Market: By Country, 2014-2022 (USD Million)
Table 13 Europe Carbon Fiber Reinforced Polymer for Application Market: By Country, 2014-2022 (USD Million)
Table 14 Asia-Pacific Carbon Fiber Reinforced Polymer for Application Market: By Country, 2014-2022 (USD Million)
Table 15 RoW Carbon Fiber Reinforced Polymer for Application Market: By Country, 2014-2022 (USD Million)
Table 16 Global Application Market: By Region, 2014-2022 (USD Million)
Table 17 North America Carbon Fiber Reinforced Polymer Market, By Country (USD Million)
Table 18 Europe Carbon Fiber Reinforced Polymer Market: By Region, 2014-2022 (USD Million)
Table 19 Asia-Pacific Carbon Fiber Reinforced Polymer Market: By Region, 2014-2022 (USD Million)
Table 20 RoW Carbon Fiber Reinforced Polymer Market: By Country, 2014-2022 (USD Million)
Table 21 RoW Carbon Fiber Reinforced Polymer Market: By Application (USD Million)
Table 22 Global Application Market: By Region, 2014-2022 (USD Million)
Table 23 Global Application Market: By Region, 2014-2022 (USD Million)
Table 24 North America Carbon Fiber Reinforced Polymer Market, By Country (USD Million)
Table 25 North America Carbon Fiber Reinforced Polymer Market, By Application (USD Million)
Table 26 North America Carbon Fiber Reinforced Polymer Market, By Application (Million USD)
Table 27 Europe: Carbon Fiber Reinforced Polymer Market, By Country (USD Million)
Table 28 Europe: Carbon Fiber Reinforced Polymer Market, By Application (USD Million)
Table 29 Europe: Carbon Fiber Reinforced Polymer Market, By Application (USD Million)
Table 30 Asia-Pacific: Carbon Fiber Reinforced Polymer Market, By Country (USD Million)
Table 31 Asia-Pacific: Carbon Fiber Reinforced Polymer Market, By Application (USD Million)
Table 32 Asia-Pacific: Carbon Fiber Reinforced Polymer Market, By Application (USD Million)
Table 33 RoW: Carbon Fiber Reinforced Polymer Market, By Country (USD Million)
Table 34 RoW Carbon Fiber Reinforced Polymer Market, By Application (USD Million)
Table 35 RoW: Carbon Fiber Reinforced Polymer Market, By Application (USD Million)

List of Figures
FIGURE 1 Global Carbon Fiber Reinforced Polymer market segmentation
FIGURE 2 Forecast Methodology
FIGURE 3 Five Forces Analysis of Global Carbon Fiber Reinforced Polymer Market
FIGURE 4 Value Chain of Global Carbon Fiber Reinforced Polymer Market
FIGURE 5 Share of Global Carbon Fiber Reinforced Polymer Market in 2014, by country (in %)
FIGURE 6 Global Carbon Fiber Reinforced Polymer Market, 2015-2022, (USD billion)
FIGURE 7 Sub-segments of Applications
FIGURE 8 Global Carbon Fiber Reinforced Polymer Market size by Application, 2015
FIGURE 9 Share of Global Carbon Fiber Reinforced Polymer Market by Application, 2012 to 2022
FIGURE 10 Global Carbon Fiber Reinforced Polymer Market size by Application, 2015
FIGURE 11 Share of Global Carbon Fiber Reinforced Polymer Market by Application, 2012 to 2022