

# Global Polyacrylonitrile (PAN)-Based Carbon Fiber Market Research Report 2016

https://marketpublishers.com/r/GA8FB13FD43EN.html

Date: September 2016

Pages: 127

Price: US\$ 2,900.00 (Single User License)

ID: GA8FB13FD43EN

#### **Abstracts**

#### Notes:

Production, means the output of Polyacrylonitrile (PAN)-Based Carbon Fiber

Revenue, means the sales value of Polyacrylonitrile (PAN)-Based Carbon Fiber

This report studies Polyacrylonitrile (PAN)-Based Carbon Fiber in Global market, especially in North America, Europe, China, Japan, Southeast Asia and India, focuses on top manufacturers in global market, with capacity, production, price, revenue and market share for each manufacturer, covering

Cabot Corporation (US)

Cytec Industries, Inc. (US)

GrafTech International Ltd. (US)

HEG Ltd. (India)

Hexcel Corporation (US)

Mersen (France)

Mitsubishi Rayon Co., Ltd. (Japan)

Mitsubishi Rayon Carbon Fiber and Composites, Inc. (US)



Morgan Advanced Materials (UK)

Morgan AM&T (Australia)

Nippon Carbon Co., Ltd. (Japan)

Orion Engineered Carbons LLC (US)

SGL Group - The Carbon Company (Germany)

Showa Denko K.K (Japan)

Showa Denko Carbon, Inc. (US)

Superior Graphite (US)

Teijin Ltd. (Japan)

Toho Tenax Co., Ltd. (Japan)

Toho Tenax America, Inc. (US)

Tokai Carbon Co., Ltd. (Japan)

Toray Industries, Inc. (Japan)

Zoltek Companies, Inc. (US)

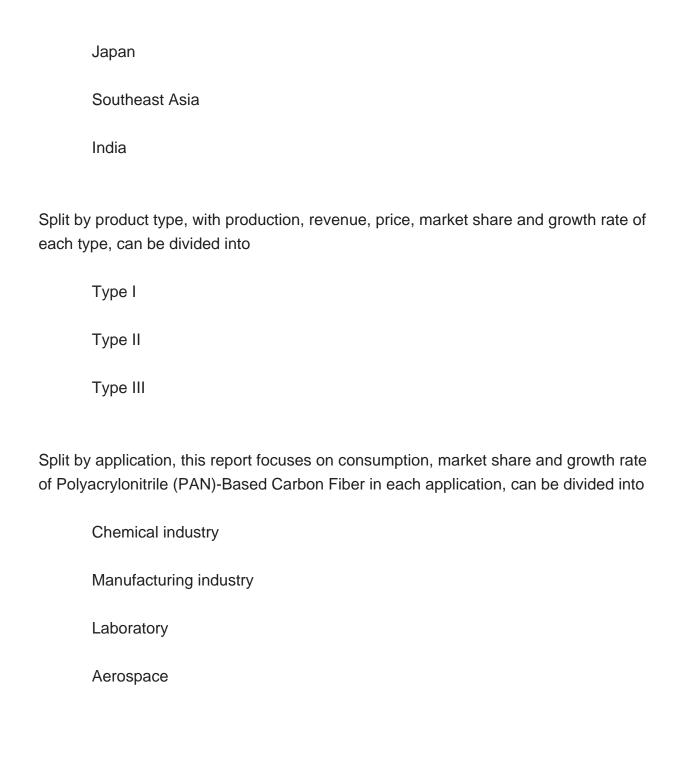
Market Segment by Regions, this report splits Global into several key Regions, with production, consumption, revenue, market share and growth rate of Polyacrylonitrile (PAN)-Based Carbon Fiber in these regions, from 2011 to 2021 (forecast), like

North America

Europe

China







#### **Contents**

Global Polyacrylonitrile (PAN)-Based Carbon Fiber Market Research Report 2016

#### 1 POLYACRYLONITRILE (PAN)-BASED CARBON FIBER MARKET OVERVIEW

- 1.1 Product Overview and Scope of Polyacrylonitrile (PAN)-Based Carbon Fiber
- 1.2 Polyacrylonitrile (PAN)-Based Carbon Fiber Segment by Type
- 1.2.1 Global Production Market Share of Polyacrylonitrile (PAN)-Based Carbon Fiber by Type in 2015
  - 1.2.2 Type I
  - 1.2.3 Type II
  - 1.2.4 Type III
- 1.3 Polyacrylonitrile (PAN)-Based Carbon Fiber Segment by Application
- 1.3.1 Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption Market Share by Application in 2015
  - 1.3.2 Chemical industry
  - 1.3.3 Manufacturing industry
  - 1.3.4 Laboratory
  - 1.3.5 Aerospace
- 1.4 Polyacrylonitrile (PAN)-Based Carbon Fiber Market by Region
  - 1.4.1 North America Status and Prospect (2011-2021)
  - 1.4.2 Europe Status and Prospect (2011-2021)
  - 1.4.3 China Status and Prospect (2011-2021)
- 1.4.4 Japan Status and Prospect (2011-2021)
- 1.4.5 Southeast Asia Status and Prospect (2011-2021)
- 1.4.6 India Status and Prospect (2011-2021)
- 1.5 Global Market Size (Value) of Polyacrylonitrile (PAN)-Based Carbon Fiber (2011-2021)

### 2 GLOBAL POLYACRYLONITRILE (PAN)-BASED CARBON FIBER MARKET COMPETITION BY MANUFACTURERS

- 2.1 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production and Share by Manufacturers (2015 and 2016)
- 2.2 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue and Share by Manufacturers (2015 and 2016)
- 2.3 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Average Price by Manufacturers (2015 and 2016)



- 2.4 Manufacturers Polyacrylonitrile (PAN)-Based Carbon Fiber Manufacturing Base Distribution, Sales Area and Product Type
- 2.5 Polyacrylonitrile (PAN)-Based Carbon Fiber Market Competitive Situation and Trends
  - 2.5.1 Polyacrylonitrile (PAN)-Based Carbon Fiber Market Concentration Rate
- 2.5.2 Polyacrylonitrile (PAN)-Based Carbon Fiber Market Share of Top 3 and Top 5 Manufacturers
  - 2.5.3 Mergers & Acquisitions, Expansion

## 3 GLOBAL POLYACRYLONITRILE (PAN)-BASED CARBON FIBER CAPACITY, PRODUCTION, REVENUE (VALUE) BY REGION (2011-2016)

- 3.1 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity and Market Share by Region (2011-2016)
- 3.2 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Production and Market Share by Region (2011-2016)
- 3.3 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue (Value) and Market Share by Region (2011-2016)
- 3.4 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)
- 3.5 North America Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)
- 3.6 Europe Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)
- 3.7 China Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)
- 3.8 Japan Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)
- 3.9 Southeast Asia Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)
- 3.10 India Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

### 4 GLOBAL POLYACRYLONITRILE (PAN)-BASED CARBON FIBER SUPPLY (PRODUCTION), CONSUMPTION, EXPORT, IMPORT BY REGIONS (2011-2016)

- 4.1 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption by Regions (2011-2016)
- 4.2 North America Polyacrylonitrile (PAN)-Based Carbon Fiber Production,



Consumption, Export, Import by Regions (2011-2016)

- 4.3 Europe Polyacrylonitrile (PAN)-Based Carbon Fiber Production, Consumption, Export, Import by Regions (2011-2016)
- 4.4 China Polyacrylonitrile (PAN)-Based Carbon Fiber Production, Consumption, Export, Import by Regions (2011-2016)
- 4.5 Japan Polyacrylonitrile (PAN)-Based Carbon Fiber Production, Consumption, Export, Import by Regions (2011-2016)
- 4.6 Southeast Asia Polyacrylonitrile (PAN)-Based Carbon Fiber Production, Consumption, Export, Import by Regions (2011-2016)
- 4.7 India Polyacrylonitrile (PAN)-Based Carbon Fiber Production, Consumption, Export, Import by Regions (2011-2016)

### 5 GLOBAL POLYACRYLONITRILE (PAN)-BASED CARBON FIBER PRODUCTION, REVENUE (VALUE), PRICE TREND BY TYPE

- 5.1 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Production and Market Share by Type (2011-2016)
- 5.2 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue and Market Share by Type (2011-2016)
- 5.3 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Price by Type (2011-2016)
- 5.4 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Production Growth by Type (2011-2016)

### 6 GLOBAL POLYACRYLONITRILE (PAN)-BASED CARBON FIBER MARKET ANALYSIS BY APPLICATION

- 6.1 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption and Market Share by Application (2011-2016)
- 6.2 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption Growth Rate by Application (2011-2016)
- 6.3 Market Drivers and Opportunities
  - 6.3.1 Potential Applications
  - 6.3.2 Emerging Markets/Countries

### 7 GLOBAL POLYACRYLONITRILE (PAN)-BASED CARBON FIBER MANUFACTURERS PROFILES/ANALYSIS

- 7.1 Cabot Corporation (US)
  - 7.1.1 Company Basic Information, Manufacturing Base and Its Competitors



- 7.1.2 Polyacrylonitrile (PAN)-Based Carbon Fiber Product Type, Application and Specification
  - 7.1.2.1 Type I
  - 7.1.2.2 Type II
- 7.1.3 Cabot Corporation (US) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)
  - 7.1.4 Main Business/Business Overview
- 7.2 Cytec Industries, Inc. (US)
  - 7.2.1 Company Basic Information, Manufacturing Base and Its Competitors
- 7.2.2 Polyacrylonitrile (PAN)-Based Carbon Fiber Product Type, Application and Specification
  - 7.2.2.1 Type I
  - 7.2.2.2 Type II
- 7.2.3 Cytec Industries, Inc. (US) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)
  - 7.2.4 Main Business/Business Overview
- 7.3 GrafTech International Ltd. (US)
  - 7.3.1 Company Basic Information, Manufacturing Base and Its Competitors
- 7.3.2 Polyacrylonitrile (PAN)-Based Carbon Fiber Product Type, Application and Specification
  - 7.3.2.1 Type I
  - 7.3.2.2 Type II
- 7.3.3 GrafTech International Ltd. (US) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)
  - 7.3.4 Main Business/Business Overview
- 7.4 HEG Ltd. (India)
  - 7.4.1 Company Basic Information, Manufacturing Base and Its Competitors
- 7.4.2 Polyacrylonitrile (PAN)-Based Carbon Fiber Product Type, Application and Specification
  - 7.4.2.1 Type I
  - 7.4.2.2 Type II
  - 7.4.3 HEG Ltd. (India) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity,

Production, Revenue, Price and Gross Margin (2015 and 2016)

- 7.4.4 Main Business/Business Overview
- 7.5 Hexcel Corporation (US)
  - 7.5.1 Company Basic Information, Manufacturing Base and Its Competitors
- 7.5.2 Polyacrylonitrile (PAN)-Based Carbon Fiber Product Type, Application and Specification
  - 7.5.2.1 Type I



7.5.2.2 Type II

7.5.3 Hexcel Corporation (US) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

7.5.4 Main Business/Business Overview

7.6 Mersen (France)

7.6.1 Company Basic Information, Manufacturing Base and Its Competitors

7.6.2 Polyacrylonitrile (PAN)-Based Carbon Fiber Product Type, Application and Specification

7.6.2.1 Type I

7.6.2.2 Type II

7.6.3 Mersen (France) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity,

Production, Revenue, Price and Gross Margin (2015 and 2016)

7.6.4 Main Business/Business Overview

7.7 Mitsubishi Rayon Co., Ltd. (Japan)

7.7.1 Company Basic Information, Manufacturing Base and Its Competitors

7.7.2 Polyacrylonitrile (PAN)-Based Carbon Fiber Product Type, Application and Specification

7.7.2.1 Type I

7.7.2.2 Type II

7.7.3 Mitsubishi Rayon Co., Ltd. (Japan) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

7.7.4 Main Business/Business Overview

7.8 Mitsubishi Rayon Carbon Fiber and Composites, Inc. (US)

7.8.1 Company Basic Information, Manufacturing Base and Its Competitors

7.8.2 Polyacrylonitrile (PAN)-Based Carbon Fiber Product Type, Application and Specification

7.8.2.1 Type I

7.8.2.2 Type II

7.8.3 Mitsubishi Rayon Carbon Fiber and Composites, Inc. (US) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

7.8.4 Main Business/Business Overview

7.9 Morgan Advanced Materials (UK)

7.9.1 Company Basic Information, Manufacturing Base and Its Competitors

7.9.2 Polyacrylonitrile (PAN)-Based Carbon Fiber Product Type, Application and Specification

7.9.2.1 Type I

7.9.2.2 Type II

7.9.3 Morgan Advanced Materials (UK) Polyacrylonitrile (PAN)-Based Carbon Fiber



Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)

- 7.9.4 Main Business/Business Overview
- 7.10 Morgan AM&T (Australia)
- 7.10.1 Company Basic Information, Manufacturing Base and Its Competitors
- 7.10.2 Polyacrylonitrile (PAN)-Based Carbon Fiber Product Type, Application and Specification
  - 7.10.2.1 Type I
  - 7.10.2.2 Type II
- 7.10.3 Morgan AM&T (Australia) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2015 and 2016)
- 7.10.4 Main Business/Business Overview
- 7.11 Nippon Carbon Co., Ltd. (Japan)
- 7.12 Orion Engineered Carbons LLC (US)
- 7.13 SGL Group The Carbon Company (Germany)
- 7.14 Showa Denko K.K (Japan)
- 7.15 Showa Denko Carbon, Inc. (US)
- 7.16 Superior Graphite (US)
- 7.17 Teijin Ltd. (Japan)
- 7.18 Toho Tenax Co., Ltd. (Japan)
- 7.19 Toho Tenax America, Inc. (US)
- 7.20 Tokai Carbon Co., Ltd. (Japan)
- 7.21 Toray Industries, Inc. (Japan)
- 7.22 Zoltek Companies, Inc. (US)

### 8 POLYACRYLONITRILE (PAN)-BASED CARBON FIBER MANUFACTURING COST ANALYSIS

- 8.1 Polyacrylonitrile (PAN)-Based Carbon Fiber Key Raw Materials Analysis
  - 8.1.1 Key Raw Materials
  - 8.1.2 Price Trend of Key Raw Materials
  - 8.1.3 Key Suppliers of Raw Materials
  - 8.1.4 Market Concentration Rate of Raw Materials
- 8.2 Proportion of Manufacturing Cost Structure
  - 8.2.1 Raw Materials
  - 8.2.2 Labor Cost
  - 8.2.3 Manufacturing Expenses
- 8.3 Manufacturing Process Analysis of Polyacrylonitrile (PAN)-Based Carbon Fiber

#### 9 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS



- 9.1 Polyacrylonitrile (PAN)-Based Carbon Fiber Industrial Chain Analysis
- 9.2 Upstream Raw Materials Sourcing
- 9.3 Raw Materials Sources of Polyacrylonitrile (PAN)-Based Carbon Fiber Major Manufacturers in 2015
- 9.4 Downstream Buyers

#### 10 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS

- 10.1 Marketing Channel
  - 10.1.1 Direct Marketing
  - 10.1.2 Indirect Marketing
- 10.1.3 Marketing Channel Development Trend
- 10.2 Market Positioning
  - 10.2.1 Pricing Strategy
  - 10.2.2 Brand Strategy
  - 10.2.3 Target Client
- 10.3 Distributors/Traders List

#### 11 MARKET EFFECT FACTORS ANALYSIS

- 11.1 Technology Progress/Risk
  - 11.1.1 Substitutes Threat
- 11.1.2 Technology Progress in Related Industry
- 11.2 Consumer Needs/Customer Preference Change
- 11.3 Economic/Political Environmental Change

### 12 GLOBAL POLYACRYLONITRILE (PAN)-BASED CARBON FIBER MARKET FORECAST (2016-2021)

- 12.1 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue Forecast (2016-2021)
- 12.2 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Production, Consumption Forecast by Regions (2016-2021)
- 12.3 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Production Forecast by Type (2016-2021)
- 12.4 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption Forecast by Application (2016-2021)
- 12.5 Polyacrylonitrile (PAN)-Based Carbon Fiber Price Forecast (2016-2021)



#### 13 RESEARCH FINDINGS AND CONCLUSION

#### **14 APPENDIX**

Author List
Disclosure Section
Research Methodology
Data Source
China Disclaimer



#### **List Of Tables**

#### LIST OF TABLES AND FIGURES

Figure Picture of Polyacrylonitrile (PAN)-Based Carbon Fiber

Figure Global Production Market Share of Polyacrylonitrile (PAN)-Based Carbon Fiber by Type in 2015

Figure Product Picture of Type I

Table Major Manufacturers of Type I

Figure Product Picture of Type II

Table Major Manufacturers of Type II

Figure Product Picture of Type III

Table Major Manufacturers of Type III

Table Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption Market Share by Application in 2015

Figure Chemical industry Examples

Figure Manufacturing industry Examples

Figure Laboratory Examples

Figure Aerospace Examples

Figure North America Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue (Million USD) and Growth Rate (2011-2021)

Figure Europe Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue (Million USD) and Growth Rate (2011-2021)

Figure China Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue (Million USD) and Growth Rate (2011-2021)

Figure Japan Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue (Million USD) and Growth Rate (2011-2021)

Figure Southeast Asia Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue (Million USD) and Growth Rate (2011-2021)

Figure India Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue (Million USD) and Growth Rate (2011-2021)

Figure Global Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue (Million UDS) and Growth Rate (2011-2021)

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity of Key Manufacturers (2015 and 2016)

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity Market Share by Manufacturers (2015 and 2016)

Figure Global Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity of Key Manufacturers in 2015



Figure Global Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity of Key Manufacturers in 2016

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Production of Key Manufacturers (2015 and 2016)

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Production Share by Manufacturers (2015 and 2016)

Figure 2015 Polyacrylonitrile (PAN)-Based Carbon Fiber Production Share by Manufacturers

Figure 2016 Polyacrylonitrile (PAN)-Based Carbon Fiber Production Share by Manufacturers

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue (Million USD) by Manufacturers (2015 and 2016)

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue Share by Manufacturers (2015 and 2016)

Table 2015 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue Share by Manufacturers

Table 2016 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue Share by Manufacturers

Table Global Market Polyacrylonitrile (PAN)-Based Carbon Fiber Average Price of Key Manufacturers (2015 and 2016)

Figure Global Market Polyacrylonitrile (PAN)-Based Carbon Fiber Average Price of Key Manufacturers in 2015

Table Manufacturers Polyacrylonitrile (PAN)-Based Carbon Fiber Manufacturing Base Distribution and Sales Area

Table Manufacturers Polyacrylonitrile (PAN)-Based Carbon Fiber Product Type Figure Polyacrylonitrile (PAN)-Based Carbon Fiber Market Share of Top 3 Manufacturers

Figure Polyacrylonitrile (PAN)-Based Carbon Fiber Market Share of Top 5 Manufacturers

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity by Regions (2011-2016)

Figure Global Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity Market Share by Regions (2011-2016)

Figure Global Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity Market Share by Regions (2011-2016)

Figure 2015 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity Market Share by Regions

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Production by Regions (2011-2016)



Figure Global Polyacrylonitrile (PAN)-Based Carbon Fiber Production and Market Share by Regions (2011-2016)

Figure Global Polyacrylonitrile (PAN)-Based Carbon Fiber Production Market Share by Regions (2011-2016)

Figure 2015 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Production Market Share by Regions

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue by Regions (2011-2016)

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue Market Share by Regions (2011-2016)

Table 2015 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue Market Share by Regions

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table North America Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Europe Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table China Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Japan Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Southeast Asia Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table India Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption Market by Regions (2011-2016)

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption Market Share by Regions (2011-2016)

Figure Global Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption Market Share by Regions (2011-2016)

Figure 2015 Global Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption Market Share by Regions

Table North America Polyacrylonitrile (PAN)-Based Carbon Fiber Production, Consumption, Import & Export (2011-2016)

Table Europe Polyacrylonitrile (PAN)-Based Carbon Fiber Production, Consumption, Import & Export (2011-2016)

Table China Polyacrylonitrile (PAN)-Based Carbon Fiber Production, Consumption,



Import & Export (2011-2016)

Table Japan Polyacrylonitrile (PAN)-Based Carbon Fiber Production, Consumption, Import & Export (2011-2016)

Table Southeast Asia Polyacrylonitrile (PAN)-Based Carbon Fiber Production, Consumption, Import & Export (2011-2016)

Table India Polyacrylonitrile (PAN)-Based Carbon Fiber Production, Consumption, Import & Export (2011-2016)

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Production by Type (2011-2016)

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Production Share by Type (2011-2016)

Figure Production Market Share of Polyacrylonitrile (PAN)-Based Carbon Fiber by Type (2011-2016)

Figure 2015 Production Market Share of Polyacrylonitrile (PAN)-Based Carbon Fiber by Type

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue by Type (2011-2016)

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue Share by Type (2011-2016)

Figure Production Revenue Share of Polyacrylonitrile (PAN)-Based Carbon Fiber by Type (2011-2016)

Figure 2015 Revenue Market Share of Polyacrylonitrile (PAN)-Based Carbon Fiber by Type

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Price by Type (2011-2016) Figure Global Polyacrylonitrile (PAN)-Based Carbon Fiber Production Growth by Type (2011-2016)

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption by Application (2011-2016)

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption Market Share by Application (2011-2016)

Figure Global Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption Market Share by Application in 2015

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption Growth Rate by Application (2011-2016)

Figure Global Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption Growth Rate by Application (2011-2016)

Table Cabot Corporation (US) Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Cabot Corporation (US) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity,



Production, Revenue, Price and Gross Margin (2011-2016)

Figure Cabot Corporation (US) Polyacrylonitrile (PAN)-Based Carbon Fiber Market Share (2011-2016)

Table Cytec Industries, Inc. (US) Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Cytec Industries, Inc. (US) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Cytec Industries, Inc. (US) Polyacrylonitrile (PAN)-Based Carbon Fiber Market Share (2011-2016)

Table GrafTech International Ltd. (US) Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table GrafTech International Ltd. (US) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure GrafTech International Ltd. (US) Polyacrylonitrile (PAN)-Based Carbon Fiber Market Share (2011-2016)

Table HEG Ltd. (India) Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table HEG Ltd. (India) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity,

Production, Revenue, Price and Gross Margin (2011-2016)

Figure HEG Ltd. (India) Polyacrylonitrile (PAN)-Based Carbon Fiber Market Share (2011-2016)

Table Hexcel Corporation (US) Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Hexcel Corporation (US) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Hexcel Corporation (US) Polyacrylonitrile (PAN)-Based Carbon Fiber Market Share (2011-2016)

Table Mersen (France) Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Mersen (France) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Mersen (France) Polyacrylonitrile (PAN)-Based Carbon Fiber Market Share (2011-2016)

Table Mitsubishi Rayon Co., Ltd. (Japan) Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Mitsubishi Rayon Co., Ltd. (Japan) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Mitsubishi Rayon Co., Ltd. (Japan) Polyacrylonitrile (PAN)-Based Carbon Fiber Market Share (2011-2016)



Table Mitsubishi Rayon Carbon Fiber and Composites, Inc. (US) Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Mitsubishi Rayon Carbon Fiber and Composites, Inc. (US) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Mitsubishi Rayon Carbon Fiber and Composites, Inc. (US) Polyacrylonitrile (PAN)-Based Carbon Fiber Market Share (2011-2016)

Table Morgan Advanced Materials (UK) Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Morgan Advanced Materials (UK) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Morgan Advanced Materials (UK) Polyacrylonitrile (PAN)-Based Carbon Fiber Market Share (2011-2016)

Table Morgan AM&T (Australia) Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Morgan AM&T (Australia) Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Figure Morgan AM&T (Australia) Polyacrylonitrile (PAN)-Based Carbon Fiber Market Share (2011-2016)

Table Production Base and Market Concentration Rate of Raw Material Figure Price Trend of Key Raw Materials

Table Key Suppliers of Raw Materials

Figure Manufacturing Cost Structure of Polyacrylonitrile (PAN)-Based Carbon Fiber Figure Manufacturing Process Analysis of Polyacrylonitrile (PAN)-Based Carbon Fiber Figure Polyacrylonitrile (PAN)-Based Carbon Fiber Industrial Chain Analysis Table Raw Materials Sources of Polyacrylonitrile (PAN)-Based Carbon Fiber Major Manufacturers in 2015

Table Major Buyers of Polyacrylonitrile (PAN)-Based Carbon Fiber

Table Distributors/Traders List

Figure Global Polyacrylonitrile (PAN)-Based Carbon Fiber Capacity, Production and Growth Rate Forecast (2016-2021)

Figure Global Polyacrylonitrile (PAN)-Based Carbon Fiber Revenue and Growth Rate Forecast (2016-2021)

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Production Forecast by Regions (2016-2021)

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption Forecast by Regions (2016-2021)

Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Production Forecast by Type (2016-2021)



Table Global Polyacrylonitrile (PAN)-Based Carbon Fiber Consumption Forecast by Application (2016-2021)



#### I would like to order

Product name: Global Polyacrylonitrile (PAN)-Based Carbon Fiber Market Research Report 2016

Product link: https://marketpublishers.com/r/GA8FB13FD43EN.html

Price: US\$ 2,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

### **Payment**

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/GA8FB13FD43EN.html">https://marketpublishers.com/r/GA8FB13FD43EN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:		
Last name:		
Email:		
Company:		
Address:		
City:		
Zip code:		
Country:		
Tel:		
Fax:		
Your message:		
	**All fields are required	
	Custumer signature	

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970