

## E-CR Glass Fibers – A Global Market Overview

*“The report reviews, analyzes and projects the global market for E-CR Glass Fibers for the period 2014-2022. The market for E-CR Glass Fibers end-use applications analyzed in this report comprise Automotive & Transportation, Marine, Wind Energy, Pipes & Tanks, Building & Construction, Electrical & Electronics, Consumer Goods and Others.”*

Published: October 2018

Report Code: CP070

Pages: 106

Charts: 62

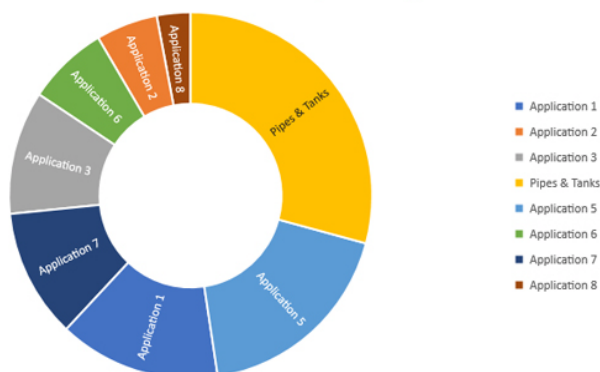
Price: \$3060 Single User License, \$4860 Enterprise License

### Report Synopsis

E-CR glass fibers (E-Glass Corrosion Resistant) are glass fibers with high chemical and thermal resistance compared to traditional E-glass fibers. E-CR glass fiber is widely used in a wide range of applications designed to face corrosive environments. E-CR glass reinforced composites offer better performance over traditional glass fiber in oil & gas, power plants, mining, marine, green energy, and water and sewage treatment industries. Pipes & tanks segment is the largest user of E-CR glass fibers globally, while wind energy constitutes the fastest growing segment for the consumption of E-CR glass fibers followed by pipes & tanks.

As per the findings by the analysts at Industry Experts, Inc., Asia-Pacific leads the global consumption for E-CR Glass Fibers, estimated at 43.3% share in 2017, which is also slated to post the fastest 2017-2022 CAGR of 6.2%. In terms of applications, Pipes & Tanks accounts the lion’s share while Building & Construction and Automotive & Transportation follows during the analysis period.

Global E-CR Glass Fiber Market by End-use Application - 2017



Source: Industry Experts, Inc. <http://industry-experts.com>

### Research Findings & Coverage

- E-CR Glass Fibers market is analyzed in this report with respect to applications across the globe
- The study exclusively studies the installed capacities of major global E-CR glass fibers manufacturers
- The report also examines the key E-CR glass fibers technology providers
- The global E-CR glass fibers market is analyzed for each key region
- Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments
- Major companies profiled – 15
- The industry guide includes the contact details for 27 companies

### Product Outline

The report analyzes the market for the major applications including the following:

- Automotive & Transportation
- Marine
- Wind Energy
- Pipes & Tanks
- Building & Construction
- Electrical & Electronics
- Consumer Goods
- Others

### Analysis Period, Units and Growth Rates

- The report reviews, analyzes and projects the global E-CR Glass Fibers market for the period 2014-2022 in terms of volumes in thousand metric tons and market value in US\$ and the compound annual growth rates (CAGRs) projected from 2017 through 2022

### Geographic Coverage

- North America
- Europe
- Asia-Pacific
- Rest of World

## SAMPLE COMPANY PROFILE

### OWENS CORNING (UNITED STATES)

One Owens Corning Parkway, Toledo, Ohio 43659  
Phone: 419-248-8000  
Website: [www.owenscorning.com](http://www.owenscorning.com)

#### Business Overview

Owens Corning, established in 1938 with headquarters in Ohio, United States, is a leading global provider of glass fiber technology for a variety of applications. The company offers composite and building materials systems, with products ranging from glass fiber used for reinforcing composite materials for transportation, electronics, marine, infrastructure, wind energy and other high-end markets to insulation, roofing and manufactured stone veneer for residential, commercial and industrial applications. The company is engaged in the development, production, and marketing of insulation, roofing, and fiberglass composites through its Insulation, Roofing, and Composites businesses respectively. Glass fiber materials offered by the company can be used in over 40,000 end use application areas in seven major markets, which include power and energy, housing, water distribution, industrial, transportation, consumer and aerospace/military. The end use application areas comprise pipe, roofing shingles, sporting goods, computers, telecommunications cables, boats, aircraft, defense, automotive, industrial containers and wind energy.

Owens Corning's Reinforcements business in the Composite segment is engaged in manufacturing, fabricating and distributing glass reinforcements in the form of fiber, while the downstream business engages in manufacturing and selling glass fiber products in the form of fabrics, mat, veil and other specialized products. These products are directly supplied to parts molders and fabricators, while for the building and construction market, the company's Composites segment provides glass fiber and/or glass mat directly to a small number of major shingle manufacturers, including the company's own Roofing business.

Currently, OCV is the leading supplier of boron-free E-CR glass fibers globally marketed under the brand Advantex. OCV Reinforcements' boron-free product, Advantex, is actually its second-generation E-CR glass. Its first iteration, in the 1980s, was a response to a market need for even higher corrosion-resistance coupled with good electrical performance. However, because its original patented E-CR glass was difficult to make, and thus more expensive to end-users, OCV developed Advantex, which is more cost-effective to produce, thanks to a lower-cost, boron-free batch composition and the elimination of scrubbers and other environmental equipment previously required to capture boron emissions. Other process developments enable the use of higher temperatures, producing higher properties, while reducing the overall energy usage. OCV converted almost all of its global reinforcements manufacturing to Advantex.

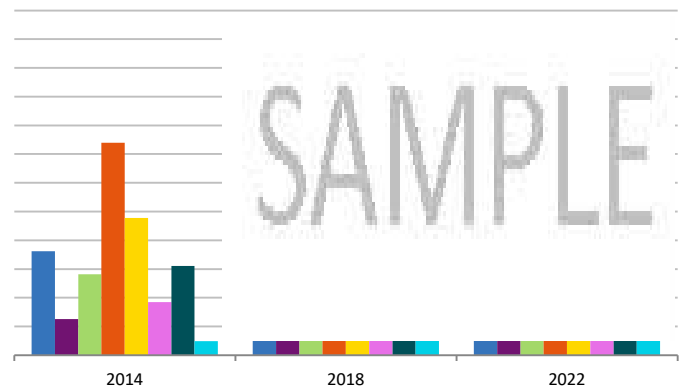
.....more

## SAMPLE TABLE/CHART

Glance at 2017 Global E-CR Glass Fiber Market Share (%) by Geographic Region - North America, Europe, Asia-Pacific and Rest of World



Asia-Pacific E-CR Glass Fiber Market Analysis (2014-2022) by End-Use Application – Automotive & Transportation, Marine, Wind Energy, Pipes & Tanks, Building & Construction, Electrical & Electronics, Consumer Goods and Other in Thousand Metric Tons



## KEY PLAYERS PROFILED

- 3B-The Fibreglass Company
- China Jushi Co., Ltd.
- Chongqing Polycomp International Corporation (CPIC)
- Chongqing Sanlei Glass Fiber Co., Ltd
- CPIC Abahsain Fiberglass M.E., W.L.L.
- Eastern Industrial Company (Eico)
- Fibrex Technologies Inc.
- Glass Strand Inc.
- Jiangsu Changhai Composite Materials Co., Ltd
- Nippon Electric Glass Co., Ltd.
- Owens Corning
- P-D Glasseiden GmbH Oschatz
- Shandong Fiberglass Group Co., Ltd.
- Taishan Fiberglass Inc.
- Xingtai Jinniu Fiberglass Co., Ltd.

.....more

## TABLE OF CONTENTS

### PART A: GLOBAL MARKET PERSPECTIVE..... 1

#### 1. INTRODUCTION.....1

1.1 Product Outline .....3

1.1.1 Evolution of Glass Fiber Types .....4

1.1.2 E-CR Glass Fiber Applications .....8

#### 2. INDUSTRY LANDSCAPE .....9

2.1 E-CR Glass Fiber Production Capacities .....9

2.2 E-CR Glass Fiber Manufacturers .....11

3B-The Fibreglass Company (Belgium)..... 11

China Jushi Co., Ltd. (China)..... 15

Chongqing Polycomp International Corporation (Cpic) (China) ..... 17

Chongqing Sanlei Glass Fiber Co., Ltd (China)..... 19

Cpic Abahsain Fiberglass M.E., W.L.L. (Bahrain) ..... 20

Eastern Industrial Company (Eico) (Saudi Arabia)..... 22

Jiangsu Changhai Composite Materials Co., Ltd..... 23

Nippon Electric Glass Co., Ltd. (Japan)..... 24

Owens Corning (United States)..... 26

P-D Glasseiden GmbH Oschatz (Germany) ..... 34

Shandong Fiberglass Group Co., Ltd. (China) ..... 35

Taishan Fiberglass Inc. (China)..... 36

Xingtai Jinniu Fiberglass Co., Ltd. (China)..... 37

2.3 E-CR Glass Fiber Technology Providers.....38

Fiberex Technologies Inc. (Canada) ..... 38

Glass Strand Inc. (United States)..... 39

#### 3. KEY BUSINESS AND PRODUCT TRENDS.....40

Owens Corning Inks Technology License and Supply Agreement with Taiwan Glass ..... 40

Chongqing SanLei Glass Fiber Commissions 100 thousand MTs E-CR Glass Fiber Plant ..... 40

Nippon Electric Glass Expands Glass Fiber Production Capacity in Europe and USA..... 40

Owens Corning Invests in European Composites Operations..... 40

Nippon Electric Glass Acquires PPG’s US Glass Fiber Operations..... 41

Nippon Electric Glass Takes over PPG’s European Glass Fiber Operations..... 41

PPG’s INNOFIBER® TS Roving for Sound Absorption in Mufflers Launched..... 41

Owens Corning’s India Composites Business Gets an Investment Boost ..... 41

Owens Corning Introduces PipeStrand™ Product Range...42

Owens Corning and Shandong Fiberglass Group in an Alliance ..... 42

Chongqing Sanlei Glass Fiber Proposes 400 Thousand MT E-CR Glass Fiber Plant in China ..... 42

Owens Corning Introduces Multi-Compatible PulStrand™ Single-End Roving in North America ..... 42

Owens Corning Showcases Five New Products at the JEC Europe Show ..... 43

Owens Corning Introduces Two New Products..... 44

Owens Corning Augments its Glass Fiber Reinforced Long Fiber Thermoplastics (LFT) Portfolio..... 44

Owens Corning Introduces ME 3060 Roving ..... 44

Owens Corning Launches Performax® SE4849 Type 30® Roving ..... 45

Owens Corning and Jinniu Fiberglass in a Supply Agreement..... 45

Owens Corning’s Russian Operations Expanded..... 45

Owens Corning Increases Mexican Glass Reinforcement Production Capacity ..... 45

Owens Corning Establishes New Fiberglass Facility in Zhejiang ..... 45

### 4. GLOBAL MARKET OVERVIEW ..... 46

4.1 Global E-CR Glass Fiber Market Overview by Geographic Region ..... 47

4.2 Global E-CR Glass Fiber Market Overview by End-Use Application ..... 51

4.2.1 Global E-CR Glass Fiber Application Market Overview by Global Region..... 55

4.2.1.1 Automotive & Transportation..... 55

4.2.1.2 Marine ..... 59

4.2.1.3 Wind Energy ..... 63

4.2.1.4 Pipes & Tanks..... 67

4.2.1.5 Building & Construction ..... 71

4.2.1.6 Electrical & Electronics ..... 75

4.2.1.7 Consumer Goods ..... 79

4.2.1.8 Other Applications ..... 83

### 5. REGIONAL MARKET OVERVIEW..... 87

5.1 North American E-CR Glass Fibers Market Overview by End-Use Application..... 87

5.2 European E-CR Glass Fibers Market Overview by End-Use Application..... 91

5.3 Asia-Pacific E-CR Glass Fibers Market Overview by End-Use Application..... 95

5.4 Rest of World E-CR Glass Fibers Market Overview by End-Use Application..... 99

### PART B: GUIDE TO THE INDUSTRY .....103

### PART C: ANNEXURE .....105

1. RESEARCH METHODOLOGY ..... 105

2. FEEDBACK ..... 107

## About Industry Experts

Industry Experts' market research, backed by years of experience and an analytical team dedicated to providing the most optimal business solutions, has been specifically designed to provide a variety of benefits, both current and future. Our leading-edge publications make the life easy for corporate strategists, investors, analysts and researchers, startups, consultants, financial and banking executives, academicians and many more. The company also provides customized research reports to cater the needs of the industry.

Business intelligence provides the critical link between comprehending prevailing market conditions and devising strategies to maximize parameters, such as revenues, profits and return on investment in order to gain market share. The significance of market research can be largely understood through the range of factors that impact businesses. These can comprise market size (current and projected), geographic market reach and demand and supply scenario, to name a few. Our ongoing quest to collect up to date and accurate information by conducting online surveys, personal interviews, taking the opinions of senior level executives will enable us to serve our clients better in every possible aspect.

[More about Industry Experts](#)



**Industry Experts, Inc.**  
14726 Ramona Ave, Suite S2  
Chino, CA 91710  
Greater Los Angeles  
United States  
Phone: +1-320-iXPERTS (497-3787)

Email: [info@industry-experts.com](mailto:info@industry-experts.com)

**India Office**  
1-7-19/C, Street No. 8, Habsiguda  
Hyderabad – 500007  
India  
Phone: +91-40-4018-1314  
Fax: +91-40-2715-7746

Website: <http://industry-experts.com>