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Global Composites for Wind Energy Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

https://marketpublishers.com/r/GD3DA170E996EN.html
Date: November 2025
Pages: 118
Price: US$ 3,480.00 (Single User License)
ID: GD3DA170E996EN

Abstracts

According to our (Global Info Research) latest study, the global Composites for Wind Energy market size was valued at US$ 684 million in 2024 and is forecast to a readjusted size of USD 905 million by 2031 with a CAGR of 4.3% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Composites for Wind Energy is a material system with completely new properties, which is composed of two or more materials of different properties through physical or chemical methods on a macroscopic scale. Its core characteristic is that it achieves comprehensive performance that cannot be achieved by a single material through the synergistic effect of the matrix material and the reinforcing material. For example, when glass fiber is combined with synthetic resin, it can withstand tensile stress, resist bending, shear and compressive stress, and form a hard product with a fixed geometric shape. In the field of wind energy, this material system has become the core material for key components such as large wind turbine blades and nacelle covers due to its lightweight, high strength, fatigue resistance, and corrosion resistance, significantly improving the power generation efficiency and operating stability of wind turbines.

This report is a detailed and comprehensive analysis for global Composites for Wind Energy market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets.

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Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Composites for Wind Energy market size and forecasts, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2020-2031

Global Composites for Wind Energy market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2020-2031

Global Composites for Wind Energy market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2020-2031

Global Composites for Wind Energy market shares of main players, shipments in revenue ($ Million), sales quantity (Tons), and ASP (US$/Ton), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries
To assess the growth potential for Composites for Wind Energy
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace

This report profiles key players in the global Composites for Wind Energy market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Armacell, Composites One, TPI, Cytec Solvay, Epsilon Composite, Exel Composites, Gurit, Hexcel, Koninklijke Ten Cate, Sky Composites, etc.
This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Composites for Wind Energy market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts

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for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Glass Fiber Reinforced Composites (GFRP)

Carbon Fiber Reinforced Composites (CFRP)

Aramid Fiber Reinforced Composites (AFRP)

Market segment by Application

Onshore Wind Turbine

Offshore Wind Turbine

Major players covered

Armacell

Composites One

TPI

Cytec Solvay

Epsilon Composite

Exel Composites

Gurit

Hexcel

Koninklijke Ten Cate

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Sky Composites

Teijin

Toray Industries

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:
Chapter 1, to describe Composites for Wind Energy product scope, market overview, market estimation caveats and base year.
Chapter 2, to profile the top manufacturers of Composites for Wind Energy, with price, sales quantity, revenue, and global market share of Composites for Wind Energy from 2020 to 2025.
Chapter 3, the Composites for Wind Energy competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.
Chapter 4, the Composites for Wind Energy breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.
Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.
Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025.and Composites for Wind Energy market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.
Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.
Chapter 13, the key raw materials and key suppliers, and industry chain of Composites for Wind Energy.
Chapter 14 and 15, to describe Composites for Wind Energy sales channel, distributors,

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customers, research findings and conclusion.

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