

Global Hybrid Composites Market Size study, by Fiber Type (Carbon/Glass, Carbon/Aramid, High-modulus polypropylene (HMPP), Ultra-high-molecular-weight polyethylene (UHMWPE), Others), by Resin (Thermoset, Thermoplastic), by End-User (Aerospace & Defense, Wind Energy, Automotive & Transportation, Sporting Goods, Marine, Others) and Regional Forecasts 2020-2027

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Abstracts

Global Hybrid Composites Market is valued approximately USD 501 million in 2019 and is anticipated to grow with a healthy growth rate of more than 15% over the forecast period 2020-2027. Hybrid composite is type of composite materials made of a mixture of two or more reinforcing fibers. Carbon-aramid epoxy and glass-carbon epoxy are the two most commonly used hybrid composites. Hybrid composites possess a high strength and impact resistance properties. These properties mainly depend on the fiber content, extent of intermingling of fibers, length of individual fibers, orientation, fiber to matrix bonding and arrangement of both the fibers. Further, hybrid composites have lateral and longitudinal mechanical strength. Owing to these properties, hybrid composites finds an extensive application in wide range of industries, such as aerospace & defense, automotive & transportation, marine, wind energy, and many more. Moreover, increasing demand for lightweight aircraft and automobile across the globe, coupled with growing concerns associated to carbon emission and fuel consumption are the few factors strengthening the demand for hybrid composites over the forecast period. According to the International Organization of Motor Vehicle Manufacturers (OICA), the global production of light commercial vehicles was estimated at 20.6 million units in 2018, which is an increase of 6.19% from 2017 (19.4 million

units). Also, the OICA states that America is the major producer of light commercial vehicles since 2010, followed by Asia and Europe. This, in turn, is expected to strengthen the adoption & utility for hybrid composites all over the world. In addition, the outbreak of COVID-19 crisis around the world has led to a sudden pause to manufacturing activities across the globe, thereby affecting the demand for hybrid composites. The most critically impacted end-use industries of hybrid composites are automotive & transportation, construction, and aerospace & defense. However, high costs and relatively complex fabrication methods and immature manufacturing technology impedes the market growth over the forecast period of 2020-2027.

The regional analysis of global Hybrid Composites market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. Asia-Pacific is the leading/significant region across the world in terms of market share owing to the expansion of the manufacturing sector, along with strong growth in automotive production in the countries, such as China and India. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2020-2027. Factors such as huge investments in commercial and residential construction would create lucrative growth prospects for the Hybrid Composites market across Asia-Pacific region.

Major market player included in this report are:

Royal DSM N.V.

SGL Carbon SE

Gurit Holding

Hexcel Corporation

Teijin Limited

General Electric

Exel Composites PLC

Plasticomp, Inc.

Innegra Technologies, LLC

Quantum Composites Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest

along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Fiber Type:

Carbon/Glass

Carbon/Aramid

High-modulus polypropylene (HMPP)

Ultra-high-molecular-weight polyethylene (UHMWPE)

Others

By Resin:

Thermoset

Thermoplastic

By End-User:

Aerospace & Defense

Wind Energy

Automotive & Transportation

Sporting Goods

Marine

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018
Base year – 2019
Forecast period – 2020 to 2027

Target Audience of the Global Hybrid Composites Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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SGL Carbon SE

Gurit Holding

Hexcel Corporation

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