

Published at 2021

# **Carbon Fiber Global Market and Trends**

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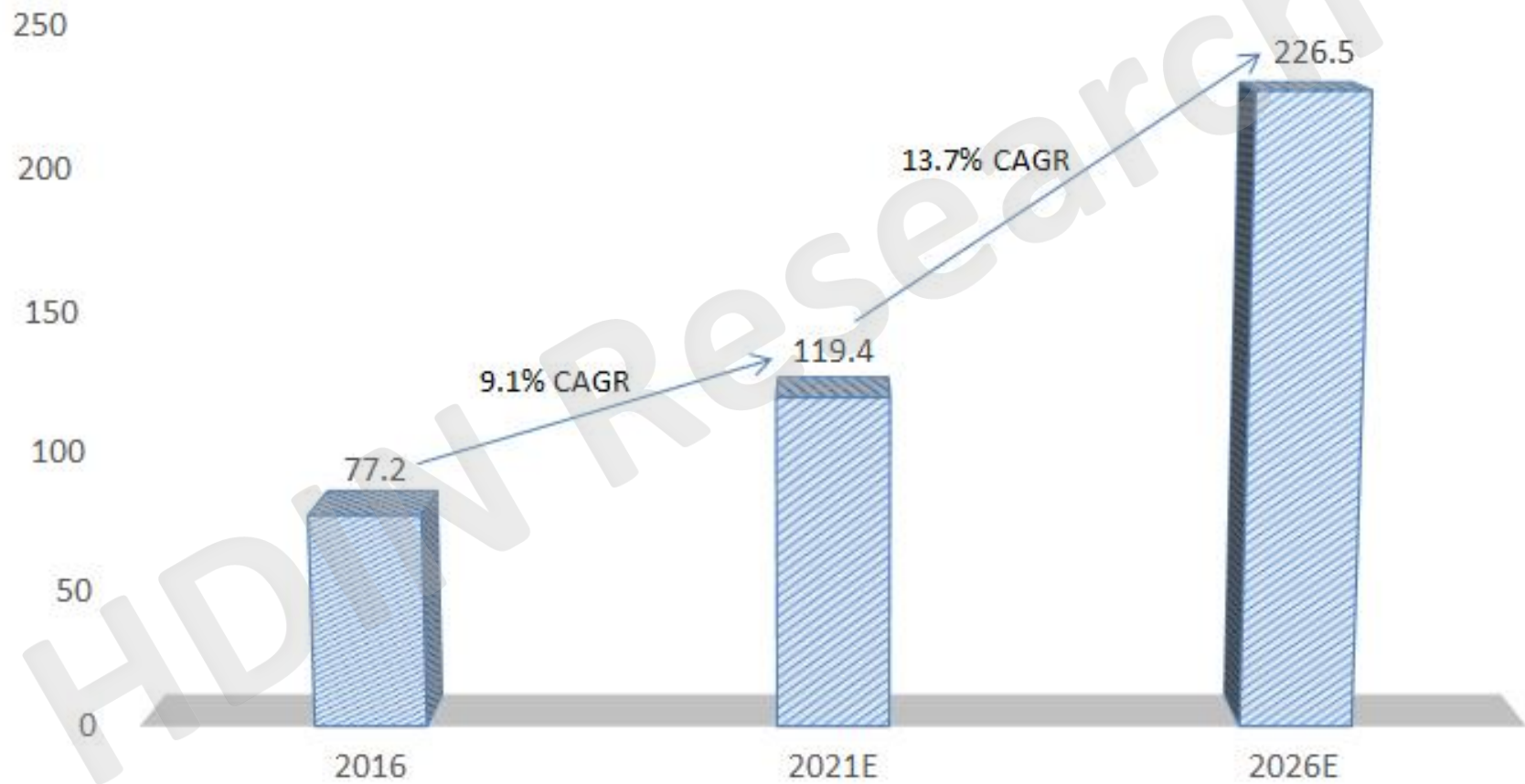
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# Carbon Fiber Global Market and Trends

Carbon fiber is a high-performance fiber with a carbon backbone structure containing more than 90% carbon formed by the cracking and carbonization of organic materials such as polyacrylonitrile (PAN) (or Pitch, Rayon). Carbon fiber has superior performance, with high strength and modulus, low density, resistance to ultra-high temperature and low temperature. It can be divided into PAN-based carbon fiber, Pitch-based carbon fiber and Rayon-based carbon fiber.

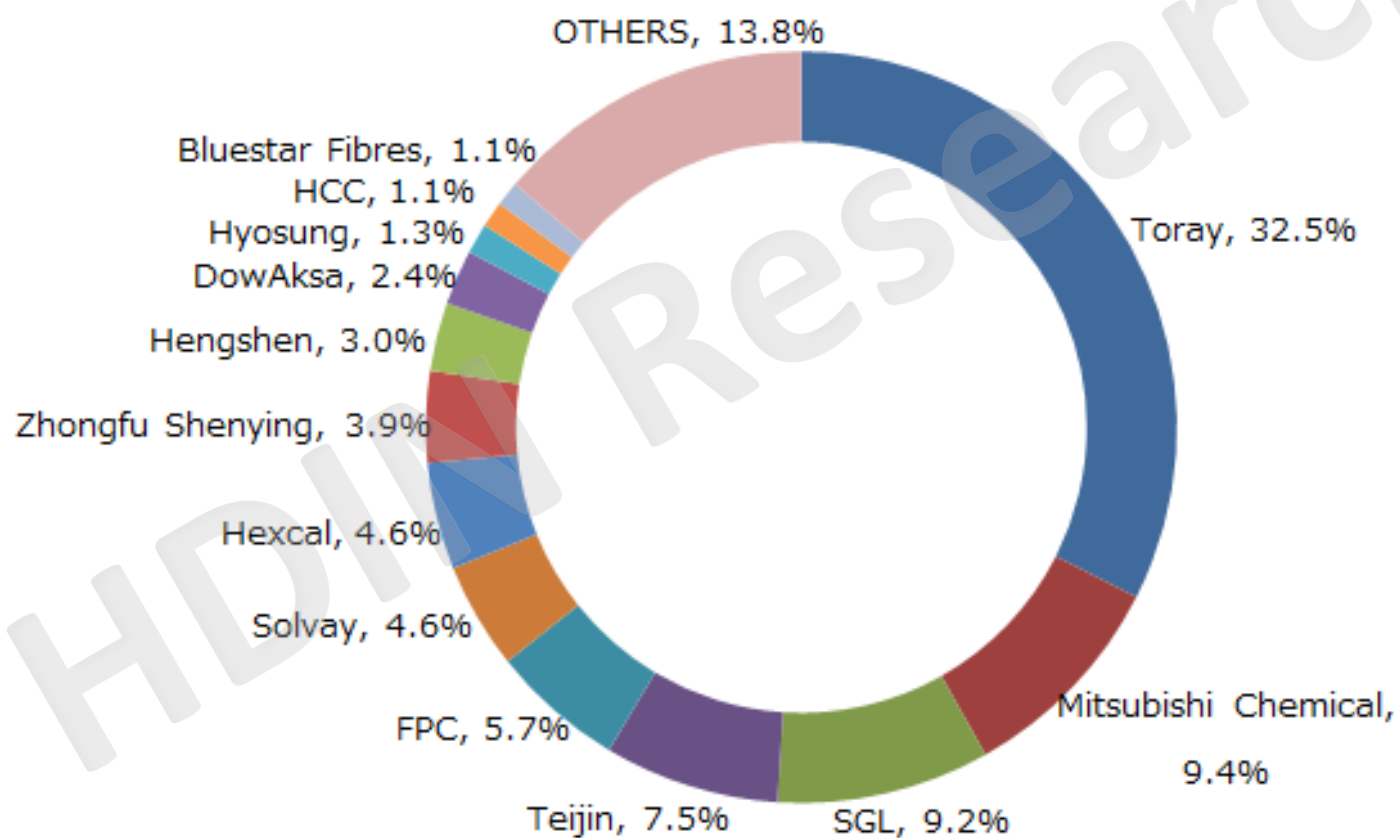
The global carbon fiber market size was 77.2-kilo tons in 2016, growing to 119.4-kilo tons in 2021, at a CAGR of 9.1%. Driven by the boom of new energy include wind, solar, hydrogen energy, carbon fiber demand is expected to continue to grow rapidly. The global carbon fiber market is expected to reach 226.5-kilo tons in 2026, growing at a CAGR of 13.7% from 2021 to 2026.

GLOBAL CARBON FIBER MARKET SIZE(1,000 TONS) AND CAGR



The major producers in the global carbon fiber industry are Toray, Mitsubishi Chemical, SGL, Teijin, and FPC, which have a market share of 64.3%.

## Global Carbon Fiber Market Share by Vendors



Global carbon fiber is mainly used in Wind power blades, Aerospace, Sports Leisure, Cars, Mixing and molding, etc. The following is the global carbon fiber downstream market share in 2021.

## Global Carbon Fiber Market Share by Type (2021)

