

Global Carbon Fiber Market Study 2015-2025, by Segment (Polyacrylonitrile based carbon fiber, Pitch based carbon fiber, Vscose rayon based carbon fiber), by Market (Aircraft, RocketsPitch based carbon fiber, Satellites), by Company (Toray, ZOLTEK(Toray), Mitsubishi Rayon)

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Abstracts

Snapshot

Carbon fiber is a long, thin strand of material about 0.0002-0.0004 in (0.005-0.010 mm) in diameter and composed mostly of carbon atoms. The carbon atoms are bonded together in microscopic crystals that are more or less aligned parallel to the long axis of the fiber. The crystal alignment makes the fiber incredibly strong for its size. Several thousand carbon fibers are twisted together to form a yarn, which may be used by itself or woven into a fabric. The yarn or fabric is combined with epoxy and wound or molded into shape to form various composite materials. Carbon fiber-reinforced composite materials are used to make aircraft carbon fiber compared to human hair and spacecraft parts, racing car bodies, golf club shafts, bicycle frames, fishing rods, automobile springs, sailboat masts, and many other components where light weight and high strength are needed.

The global Carbon Fiber market will reach xxx Million USD in 2018 and with a CAGR of xx% between 2019-2025.

Product Type Coverage (Market Size & Forecast, Major Company of Product Type etc.):

Polyacrylonitrile based carbon fiber

Pitch based carbon fiber

Vscose rayon based carbon fiber

Phenolic based carbon fiber

Gas phase growth carbon fiber

Demand Coverage (Market Size & Forecast, Consumer Distribution):

Aircraft

Rockets

Satellites

Company Coverage (Sales data, Main Products & Services etc.):

Toray

ZOLTEK(Toray)

Mitsubishi Rayon

Toho Tenax

Hexcel

Formosa Plastics Corp

SGL

Cytec Solvay

DowAksa

Hyosung

Taekwang Industrial

Zhongfu Shenying

Jiangsu Hengshen

Weihai TuoZhan Fiber

Bluestar Fibres

Major Region Market

North America

Europe

Asia-Pacific

South America

Middle East & Africa

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