

E7 Glass Fiber

Optimal Cost-Performance Solution for
High Performance Composite Materials



New Link Performance
High Performance
Glass Fiber

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F7 New High Performance



GOALS

Provide Optimal Performance Solution
for High Performance Composite Materials

... blades, high performance pultruded profiles and high pressure vessels, all of which require higher strength, stiffness, and fatigue-resistance. In the meantime, although the production of S-glass fiber has been widely known, its production cost has exceeded the range that composite industries can bear. To meet the

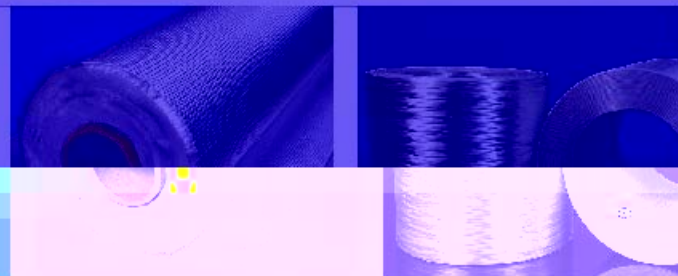
E7 GLASS FIBER

Boost the High Performance of Composite Materials

Compared with traditional E glass, E7 delivers the following unique advantages:

- Higher strength, 30% higher than traditional E glass;
- Higher modulus, 23% higher than traditional E glass;
- Longer fiber length.

Comparison of Tensile Strength between E7 and E glass Fiber:



E7 REINFORCEMENTS

Open New Space for Hinge End Applications of Composites

The use of glass fiber reinforcements allows customers to design high performance composites beyond the limits of the polymer material itself. Jushi E7 glass fiber enables even higher composite performance. Compared with E-glass, composites based on E7 reinforcements have better mechanical properties including higher strength, modulus and fatigue resistance. E7 reinforcement will expand the use of high performance composites to large wind blades, bridge, aerospace, substation profile and many other applications.

The existing production technology with large refractor furnaces can be used to manufacture E7 at lower cost. The volume production of E7 glass fiber with large scale factory furnaces makes it possible to meet the large demand for high performance glass fiber from high end industries such as the wind energy industry. The excellent mechanical properties, large volume and production with secondary reinforcement are an optimal cost performance solution for composites industry.

E7 Reinforced wind blades are longer and more durable and reduce power generation cost.

As a clean and inexhaustible energy source, the wind power can be generated at relatively low cost with mature technology. Due to environment issues related to thermal power and nuclear power more and more countries are setting up wind power programs. The wind power industry has become one of the fastest growing industries in the world.

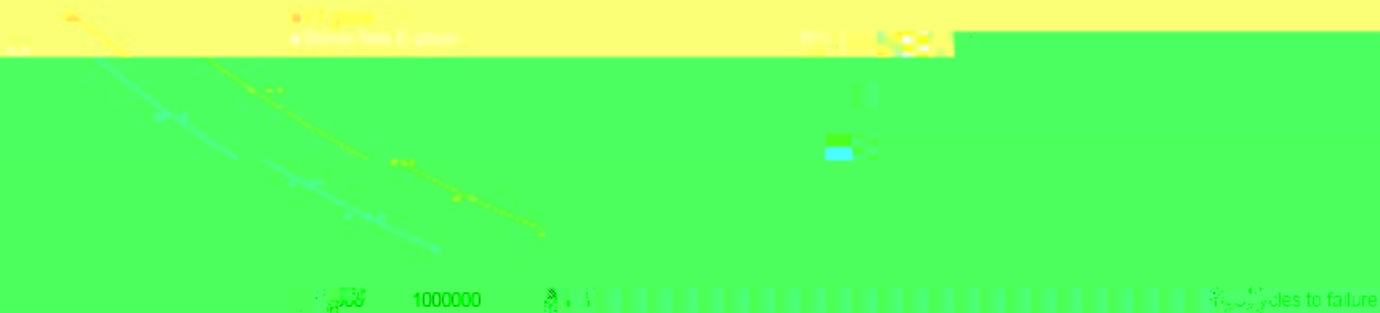
E7

New High Performance Glass Fiber



Fatigue test result based on UD1200 laminate:

Test result



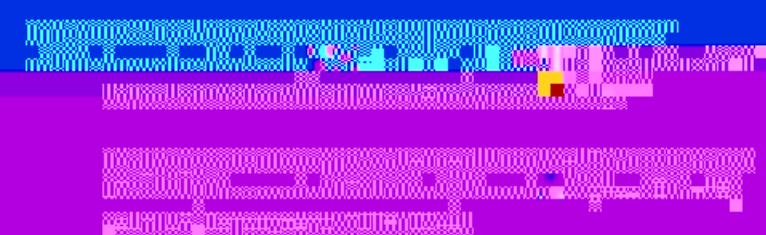
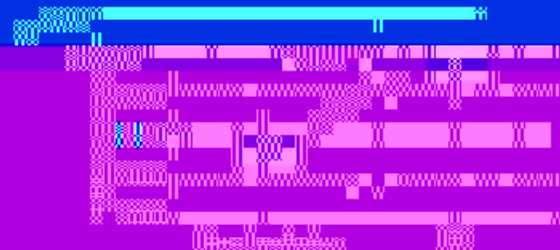
Materials have higher strength...

E7 - Reinforced pultrusion materials have higher performance

Technology for producing glass fiber reinforced composites and features include: low processing cost and consistent quality. It is also suitable for producing various parts, FRP bridges and other products. With the experience of the JUSHI Group, we are producing high-strength FRP products which have higher strength, stiffness and fatigue resistance, good weatherability and corrosion resistance.

Pultrusion is a common production technology with high production efficiency, high productivity and low cost. It is suitable for producing various parts, FRP bridges and other products, which have high strength and stiffness. With the experience of the JUSHI Group, we are producing high-strength FRP products which have higher strength, stiffness and fatigue resistance, good weatherability and corrosion resistance.

Our products are made from high-strength E7 glass fiber and have higher strength...



Our products are made from high-strength E7 glass fiber and have higher strength...

ENVIRONMENTAL PROTECTION

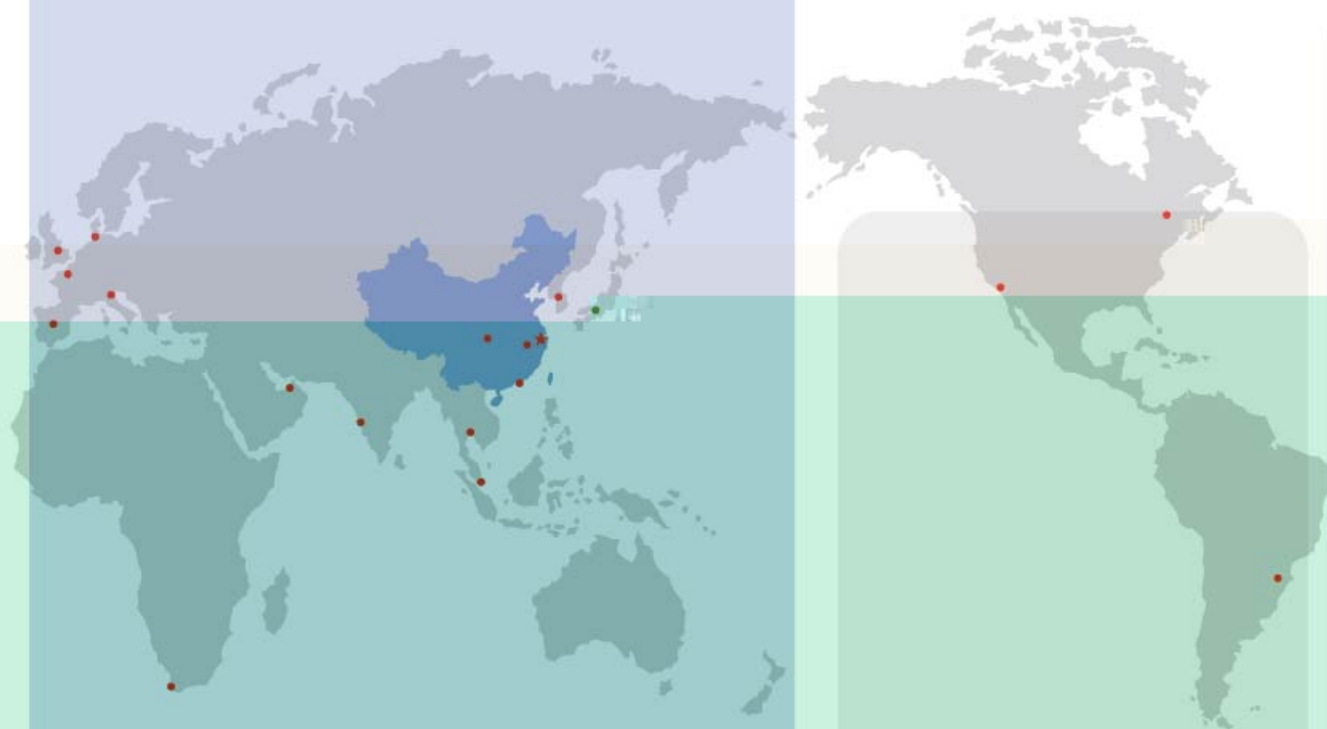
Become A Model for
Clean Production

Jushi Group is committed to improving our environmental footprint. We have invested heavily in the most modern technologies available to reduce pollutant emissions into our environment. Improved oxygen firing technology reduced total waste gas emissions from the furnace by 30% and the nitrogen oxide emissions by

more than 50%. Waste water is processed using technology

CUSTOMER AND
TECHNICAL
SUPPORT
ORGANIZATION





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