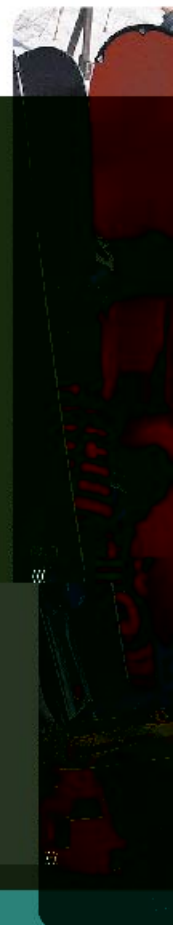


E7 Glass Fiber

Optimal Cost-Performance Solution for
High Performance Composite Materials



E7

New High Performance Glass Fiber

Company Profile

Jushi Group specializes in the production of glass fiber. The company has attained a leadership position in the global glass fiber industry in terms of Output, Technology, R&D, Quality and Market share. Jushi Group is a Chinese national, key high technology enterprise, operating a distinguished Post-Doctoral Program.

Jushi Group always adheres to its fundamental Management principles:

- "Apply science and technology for development,
- Build the brand name to expand market share,
- Emphasize management to improve efficiency and
- Employ talented people to enable future growth".

The company owns proprietary, world-class core technologies for large E-glass fiber furnaces, C-glass fiber furnaces and waste fiber recycling furnaces. The company has its own core technology of world-class and achieved certifications to ISO9001, ISO14001, ISO18001, ISO12001 and ISO17025. Its testing center has been certified by both China National Accreditation Board for Laboratories (CNAS) and Germanischer Lloyd (GL). The glass fiber rovings and chopped strand mats under the "Jushi" brand have been listed as "China Top Brand" products and the trademark "JUSHI" has been recognized as "China Famous Trademark". The principal products of Jushi Group have been approved by China Classification Society (CCS).

F7 New High Performance



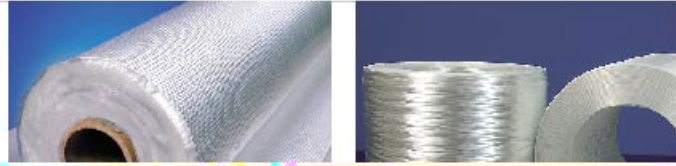
GOALS

Provide Optimal Cost-Performance Solution
for High Performance Concrete Materials



E7 GLASS FIBER

Boost the High Performance
of Composite Materials



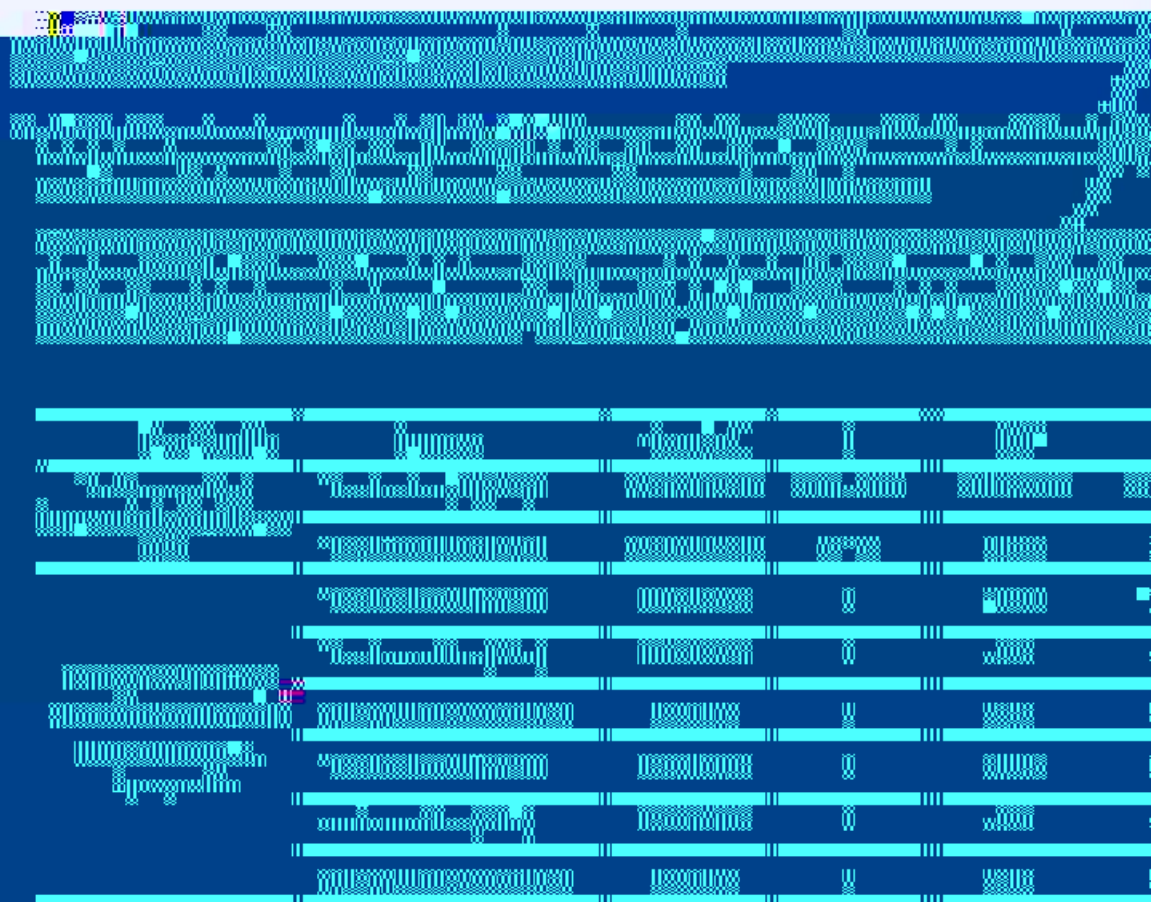
E7 REINFORCEMENTS

Open New Space for High 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 in large wind blades, high pressure vessels, pultrusion profiles and many other applications.

The existing production technology with large refractory furnaces can be used to manufacture E7 at lower cost. The volume production of E7 glass fiber with large factory furnaces makes it possible to meet the increased demand for high performance glass fiber from high end industries such as the wind energy industry. The excellent mechanical properties and low cost production of E7 reinforcement provides a new solution for the composites industry.

E7 Reinforcement will be able to generate more value and reduce power generation cost

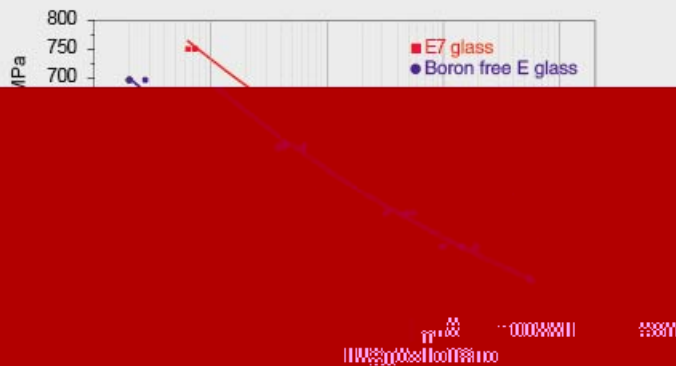


E7

New High Performance Glass Fiber



Fatigue test result based on UD1200 laminate:



Test conditions for fatigue resistance:

○ Tested per ISO 13003:2003

○ Laminates made with JUSHI E7 glass fiber

「E7」は、従来のガラス繊維よりも、高強度・高弾性率・高疲労抵抗性を兼ね備えた、新しい高性能ガラス繊維です。

従来のガラス繊維に比べて、強度・弾性率・疲労抵抗性を向上させたE7ガラス繊維は、軽量化と高強度化を両立させた高性能繊維です。また、従来のガラス繊維よりも、高弾性率・高疲労抵抗性を兼ね備えた、新しい高性能ガラス繊維です。

E7ガラス繊維は、従来のガラス繊維よりも、高強度・高弾性率・高疲労抵抗性を兼ね備えた、新しい高性能ガラス繊維です。また、従来のガラス繊維よりも、高弾性率・高疲労抵抗性を兼ね備えた、新しい高性能ガラス繊維です。

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Figure 1: Application of E7 glass fiber in a large-scale structure.

Figure 2: Application of E7 glass fiber in a large-scale structure.

Figure 3: Application of E7 glass fiber in a large-scale structure.

Figure 4: Application of E7 glass fiber in a large-scale structure.

Figure 5: Application of E7 glass fiber in a large-scale structure.

Figure 6: Application of E7 glass fiber in a large-scale structure.

Figure 7: Application of E7 glass fiber in a large-scale structure.

Figure 8: Application of E7 glass fiber in a large-scale structure.

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 80% and the nitrogen oxide emissions by over 90%. State of the art glass recycling technology ensures zero discharge of process waste glass fiber. Modern waste purification technology enables zero discharge of industrial waste water from our production process.

E7 Glass Fiber is produced by more scientific production technology and process which not only improve the product performances, but also significantly reduces air pollutants. The development of E7 Glass Fiber is consistent with our constant commitment to social responsibility and sustainability. Not only have we achieved the goal of improving our glass fiber products, but we also have improved our environmental footprint at the same time.

CUSTOMER AND TECHNICAL SUPPORT ORGANIZATION

Jushi Group possesses world class core technologies and advanced testing and analysis capabilities for glass, organic chemistry, glass fiber and composites. We have established a global network and technical service professionals to help customers solve problems in materials development and process optimization. We collaborate closely with customers to address market challenges and promote the growth of the composites industry.

We will share with you all the information on E7 glass fiber reinforcements as well as our considerable knowledge of compounding and molding technology and processes.





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