

E6-CK Glass Fiber

Best Corrosion Resistance Solution for High-Performance Composite Material



Boron-Free Fluorine-Free Glass Fiber



Company Profile

...ly science and technology for development.

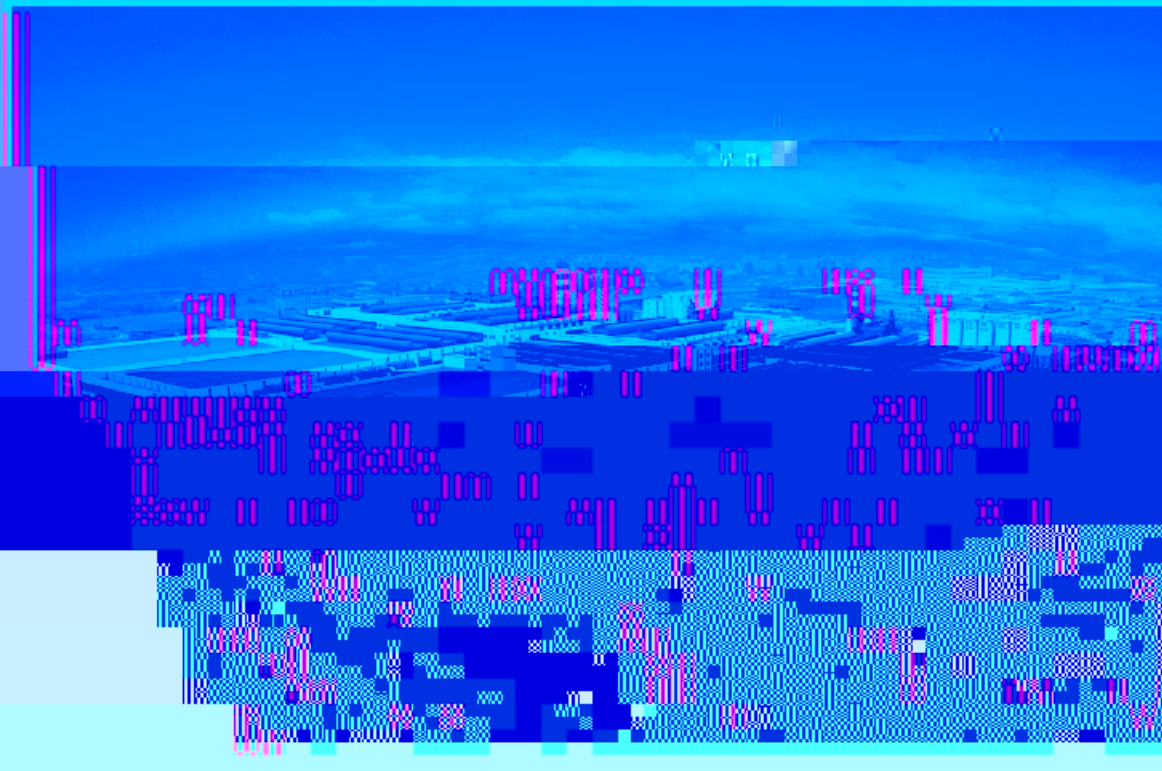
- Build the brand name to expand market share.
- Emphasize management to improve efficiency and
- Employ talented people to enable future growth.

The company owns proprietary, world-class core technologies for large E-glass fiber furnaces, C-glass fiber furnaces and clean production 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 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 have been approved by China Classification Society (CCS), DET NORSKE VERITAS (DNV), Lloyd's Register (LR), Germanischer Lloyd (GL) and Asociación de Comités Saneantes (ACS).

Jushi produces E-glass and C-glass glass fiber products including rovings, chopped strands, chopped strand mats, woven roving and electrical yarns and fabrics in over 20 product categories and 1000 specifications. The products are sold in all provinces in China and exported to over 100 countries. The key regions include North America, Middle East, Europe, Southeast Asia and Africa with revenue accounting for 50% of the total sales volume.

Jushi people adhere to our core values of "Behavior, Innovation, Responsibility, Learning, Enthusiasm" to build the company into an international group with leading manufacturing scale, advanced technology, talented team, excellent management, powerful execution, great achievements and fast growth. China Jushi strives to lead the reindustrialization of China's large fiber industry and maintain the leadership position in the global glass fiber industry through endless pursuit of innovation and excellence.



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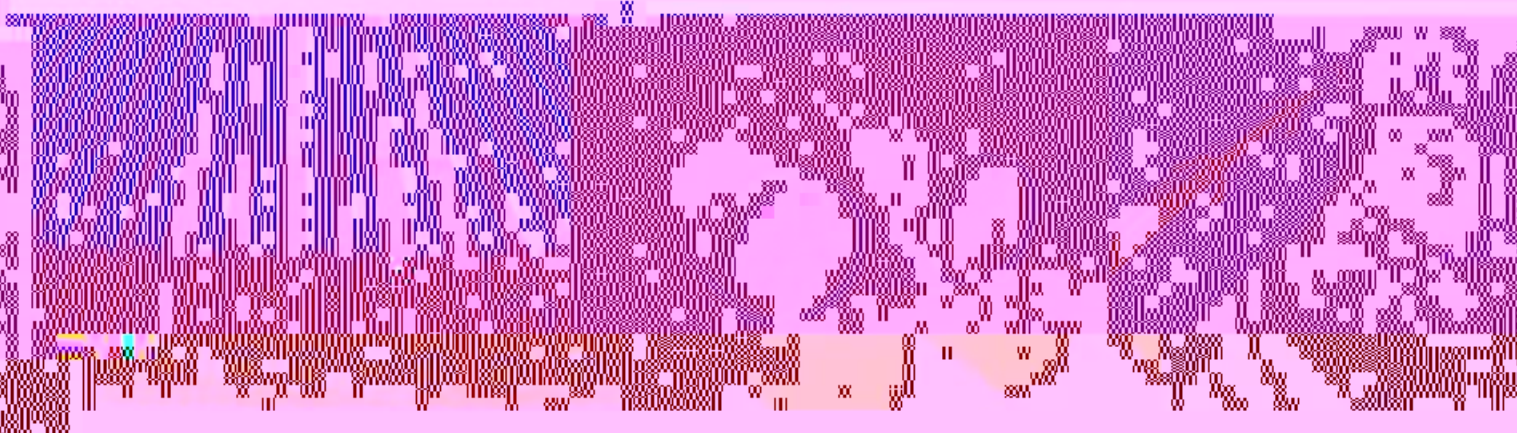
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E6-CR GLASS FIBER

Excellent Corrosion
Resistance



Compared with typical FRP, E6-CR offers the following unique benefits:

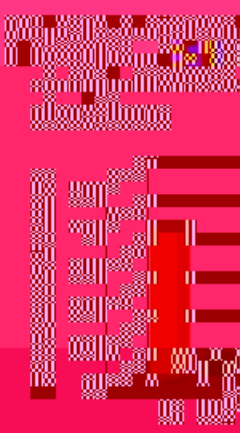
• Higher chemical stability

• Superior mechanical properties

| Material | Chemical Resistance | Modulus | Strength | Weight | Thickness |
|----------|---------------------|---------|----------|--------|-----------|
| E6-CR | Excellent | High | High | Low | Thin |
| FRP | Good | Medium | Medium | High | Thick |



| Material | Chemical Resistance | Modulus | Strength | Weight | Thickness |
|--------------|---------------------|-----------|-----------|--------|-----------|
| E6-CR | Excellent | High | High | Low | Thin |
| FRP | Good | Medium | Medium | High | Thick |
| Carbon Fiber | Good | Very High | Very High | Low | Thin |
| Kevlar | Good | High | High | Low | Thin |
| Fiberglass | Good | Medium | Medium | High | Thick |
| Carbon Fiber | Good | Very High | Very High | Low | Thin |
| Kevlar | Good | High | High | Low | Thin |



E6-CR REINFORCEMENTS

Excellent Environment Durability

In the future, end-use composite products will operate in even harsher environments and the end-users will expect enhanced durability. Compared with E6[®] glass fiber, **E6-CR enhanced glass fiber** reinforced composite materials offer better corrosion resistance and temperature endurance, making composite parts more reliable and cost effective.

Superior Mechanical Properties

| Test Sample | Property | Standard | E | E6 [®] | E6-CR |
|---------------------------------|------------------------|------------|-----------|-----------------|-----------|
| Tensile property of impregnated | Tensile strength (MPa) | ASTM D2343 | 1900~2000 | 2500~2700 | 2500~2700 |



ENVIRONMENTAL PROTECTION

Become a Model for Clean Production

China Jushi 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. E6-CR glass fiber is produced by more scientific production technology and process which not only improve the product performances, but also control air pollutants at source. The development of E6-CR glass fiber is consistent with our constant commitment to social responsibility and sustainability. It is not only how 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

Offer Best Technical Support

China Jushi possesses world class core technologies and advanced testing and analysis capabilities for glass, organic chemistry, fiberglass and composites. We have established a global network of marketing and technical support.





Add: Tongxiang Economic Development Zone, Zhejiang 314500, China
International Sales: Tel: +86-573-88136318 Fax: +86-573-88181058
Domestic Sales: Tel: +86-573-88181016 Fax: +86-573-88136319
Customer Service: Tel: +86-573-88136325 Fax: +86-573-88136248
Http://www.jushi.com E-mail: info@jushi.com