

E6-CR Glass Fiber

Best Corrosion Resistance Solution for High-Performance Composite Material



E6-CR



Boron-Free Fluorine-Free Glass Fiber



中国巨石股份有限公司
CHINA JUSHI CO., LTD

Company Profile

Company Name: [Redacted]

- Focus on innovation and development of new products
- Emphasize management to improve efficiency and
- Employ talented people to enable future growth

The company owns proprietary, world-class core technologies for [Redacted]. The company's core technologies are used in a wide range of applications, including [Redacted]. The company's core technologies are used in a wide range of applications, including [Redacted].

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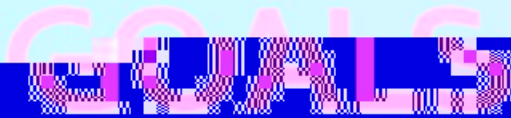
Contents

E6-CR GLASS FIBER --- Best Corrosion Resistance

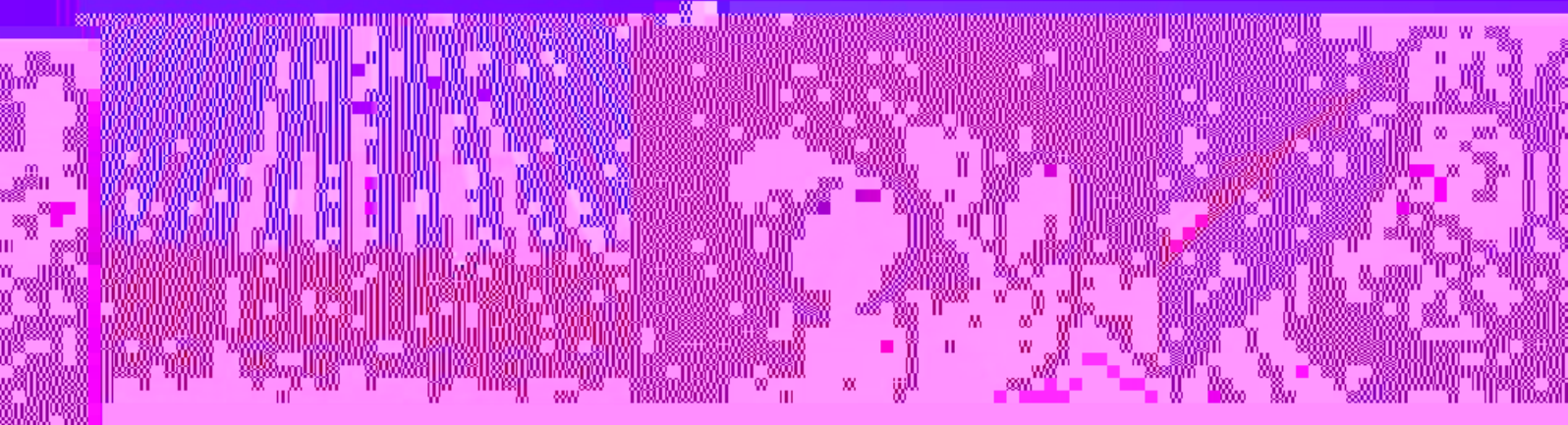
E6-CR REINFORCEMENTS --- Excellent Environment Durability

ENVIRONMENTAL PROTECTION --- Become a Model Company

CUSTOMER AND TECHNICAL SUPPORT ORGANIZATION



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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
- Excellent resistance to hydrogen sulfide

| Material | Chemical Resistance | FRP | E6-CR | FRP | E6-CR |
|-------------------|---------------------|------|-----------|------|-----------|
| Hydrogen Sulfide | Excellent | Good | Excellent | Good | Excellent |
| Hydrochloric Acid | Excellent | Good | Excellent | Good | Excellent |
| Sulfuric Acid | Excellent | Good | Excellent | Good | Excellent |
| Nitric Acid | Excellent | Good | Excellent | Good | Excellent |
| Phosphoric Acid | Excellent | Good | Excellent | Good | Excellent |



| Material | Chemical Resistance | FRP | E6-CR | FRP | E6-CR |
|-------------------|---------------------|------|-----------|------|-----------|
| Hydrogen Sulfide | Excellent | Good | Excellent | Good | Excellent |
| Hydrochloric Acid | Excellent | Good | Excellent | Good | Excellent |
| Sulfuric Acid | Excellent | Good | Excellent | Good | Excellent |
| Nitric Acid | Excellent | Good | Excellent | Good | Excellent |
| Phosphoric Acid | Excellent | Good | Excellent | Good | Excellent |



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. 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.

E6-CR



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.





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