

E6-CK Glass Fiber

Best Corrosion Resistance Solution for High-Performance Composite Material



Boron-Free Fluorine-Free Glass Fiber



Company Profile

China Jushi specializes in the production of glass fiber. The company has attained the leadership position in the global glass fiber industry in terms of technology, production capacity, and product quality.

The company has always adhered to the strategy of "Innovation through 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 Quality Assurance Limited (LRQA), Bureau Veritas Certification (BV), ABS Classification Society (ABS).

Jushi produces E-glass and C-glass glass fiber products including rovings, chopped strands, chopped strand mats, woven rovings 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 exports 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 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 re-orientation of China's large-scale enterprises and maintain the leadership position in the global glass fiber industry through endless pursuit of innovation and excellence.



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2. To provide a comprehensive and detailed technical information on environmental protection and support organization.

3. To provide a comprehensive and detailed technical information on environmental protection and support organization.

4. To provide a comprehensive and detailed technical information on environmental protection and support organization.

E6-CR GLASS FIBER

Excellent Corrosion
Resistance



Compared with typical E-glass fiber, E6-CR offers the following advantages:

- High electrical resistivity
- Boron-free fluorine-free, to ensure clean production

E6-CR glass fiber is produced with a unique glass composition:

Property	Unit	Value	Value	Value	Value
Chemical composition	wt%	SiO ₂	53.00	CaO	16.00
Electrical resistivity	Ω·cm	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴
Fluorine content	wt%	0	0	0	0
Boron content	wt%	0	0	0	0
Alkali metal content	wt%	0	0	0	0
Alkali earth metal content	wt%	0	0	0	0



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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.





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 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 **E6-CR** glass fiber reinforcements as well as our considerable knowledge of compounding and molding technology and processes.



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★All the data given in this brochure is preliminary and China Jushi reserves the right to update or modify the data without notice.



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