
HIGH

China Jushi Co.Ltd specializes in the production of glass fiber. The company has attained the leadership position in the global glass fiber industry in terms of Capacity, Technology, R&D, Quality and Marketing.

Jushi people adhere to our core values of "Behavior, Innovation, Responsibility, Learning, Enthusiasm" to build the company into an international corporation with the largest scale, leading technology, excellent team, lean management, powerful execution, outstanding operating results and high quality growth.China Jushi strives to lead the modernization of China's glass fiber industry and maintain the leadership position in the global glass fiber industry through endless pursuit of innovation and excellence.

COMPANY PROFILE

JUSHI

GOALS

CREATION OF A NEW SOLUTION FOR HIGH-END COMPOSITES

China Jushi has developed E8 High Modulus Glass Fiber in 2016, achieving a revolutionary breakthrough in the glass fiber industry. E8 glass fiber offers higher modulus and better fatigue resistance than E7 high performance glass fiber and S-glass fiber, and now can be manufactured with tank furnaces in a stable and efficient way. E8 has much better cost performance than S-glass fiber, making it more competitive than the later. E8 is designed mainly for use in the wind blades and will create tremendous value for the wind energy market. It will be able to further promote the improvement and application of longer wind blades. E8 will enable the wind blades of the same length to have higher modulus, less deformation under the same wind load and reduced blade weight in the meantime, and

Compared with E6 and E7 glass, E8 offers the following unique benefits:

- Higher modulus, 17% higher than E6 glass, 7% higher than E7 glass;

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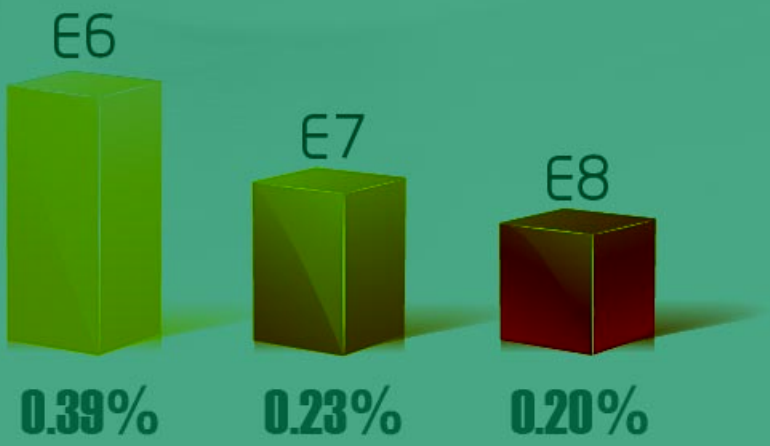
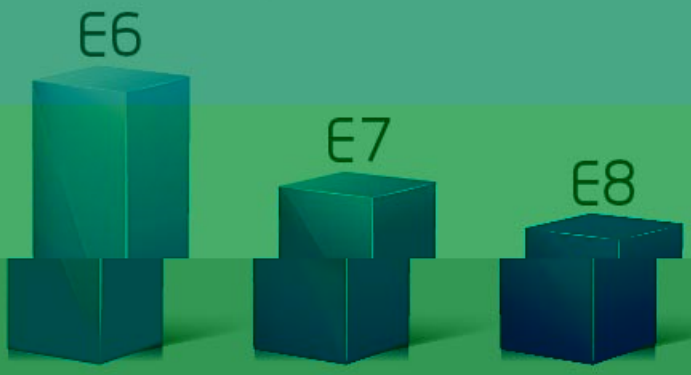
E8 glass fiber is made from a unique glass composition which improves the corrosion resistance in a variety of circumstances. Compared with E6 and E7glass fiber, E8 shows significant improvement in chemical corrosion resistance in neutral, acidic or alkaline solutions with especially superior corrosion resistance in acidic environments. E8 is therefore particularly suitable for applications which have special requirements on environment

TIONARY
ASS
UTION FOR
OMPOSITES

AT 100℃ FOR 24 HOURS



COMPARISON IN WEIGHT LOSS IN 10% H_2SO_4 SOLUTION AT 96℃ FOR 24 HOURS



Item	Testing Method	Unit	E6	E7	E8
Weight loss in acidic solution	Soaking in 10% HCl solution at 23℃ for				

EXCELLENT MECHANICAL PROPERTIES

E3 is a high-performance glass fiber with higher modulus and higher strength. E3 glass fiber will offer more superior mechanical properties, dimensional stability and fatigue resistance, and can meet higher design requirements of composite materials to be used more demanding environments. E3 glass fiber can be widely used in the fields of large wind blades, military equipment, high-end sporting goods, aerospace.

Test Sample	Property	Standard	E6	E7	E8
Resin property of impregnated roving: Epoxy resin	Tensile strength (MPa)	ASTM D2343	2500-2700	2800-3000	3100-3500
	Tensile modulus (GPa)	ASTM D2343	81-83	85-91	90-98
1250 gm/10 fabric (tested at 0° direction), Infusion process, Epoxy resin	Tensile strength (MPa)	ISO 527-5	/	1531.7	1632.3
	Tensile modulus (GPa)	ISO 527-5	/	48.5	51.6
	Fiber volume content (%)	ISO 1172	/	53.6	53.8
	Compressive strength (MPa)	ISO 14126	/	972.8	1045.9
	Compressive modulus (GPa)	ISO 14126	/	45.1	52.1
	Fiber volume content (%)	ISO 1172	/	54.4	54.2

CERTIFICATIONS

CHINA JUSHI 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.

China Jushi owns proprietary, world-class core technologies for large E-glass fiber furnaces, C-glass fiber furnaces and high-performance glass fiber. It has achieved management system certifications to ISO9001, ISO14001, OHSAS18001, ISO10012 and ISO17025. Its testing center has been certified by both China National Accreditation Board for Laboratories (CNAS) and Germanischer Lloyd (GL) . The fiberglass 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 DET NORSKE VERITAS (DNV), Lloyd's Register(LR), China Classification Society (CCS), Germanischer Lloyd (GL) and Attestation De Conformité Sanitaire (ACS).

TECHNICAL COLLABORATION AND SUPPORT

China Jushi possesses world class core technologies and advanced testing and analysis capabilities for glass, organic chemistry, fiberglass and composites. Jushi has established a global network of marketing and technical service professionals to help customers solve problems in materials development and product optimization. Jushi collaborates closely with customers to address market challenges and promote the growth of the composites industry.

China Jushi will share our information on E8 glass fiber and our knowledge of compowding technologies and processes.

Website:
http://www.jushi.com

E-mail addresses:

wenzhong.xing@jushi.com	(Glass technology)
zhangyan@jushi.com	(Composites)
qing.wei@jushi.com	(Business cooperation: domestic)
freeman.wang@jushi.com	(Business cooperation: foreign)
services@jushi.com	(Customer service)

中国巨石股份有限公司
CHINA JUSHI CO., LTD

ongxiang Economic Development Zone, Zhejiang 314500, China
ational Sales: Tel: +86-573-88136318 Fax: +86-573-88181058
stic Sales: Tel: +86-573-88181016 Fax: +86-573-88136319
mer Service: Tel: +86-573-88136325 Fax: +86-573-88136248
.jushi.com E-mail: info@jushi.com

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