

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

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 latter. 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 help promote the

innovation and application of large-size wind

blades. E8 will enable the wind blades of the

same design to have higher modulus, less

deformation under the same wind load and

reduced blade weight. In the meantime, wind

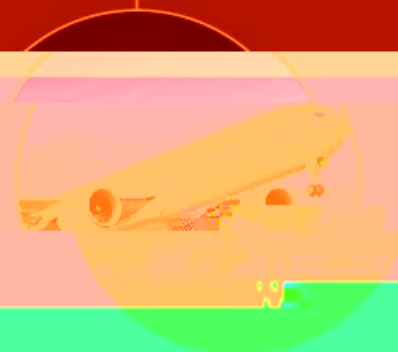
blades can make longer blades

with better fatigue resistance and higher

adaptability in wind zone, which will reduce the

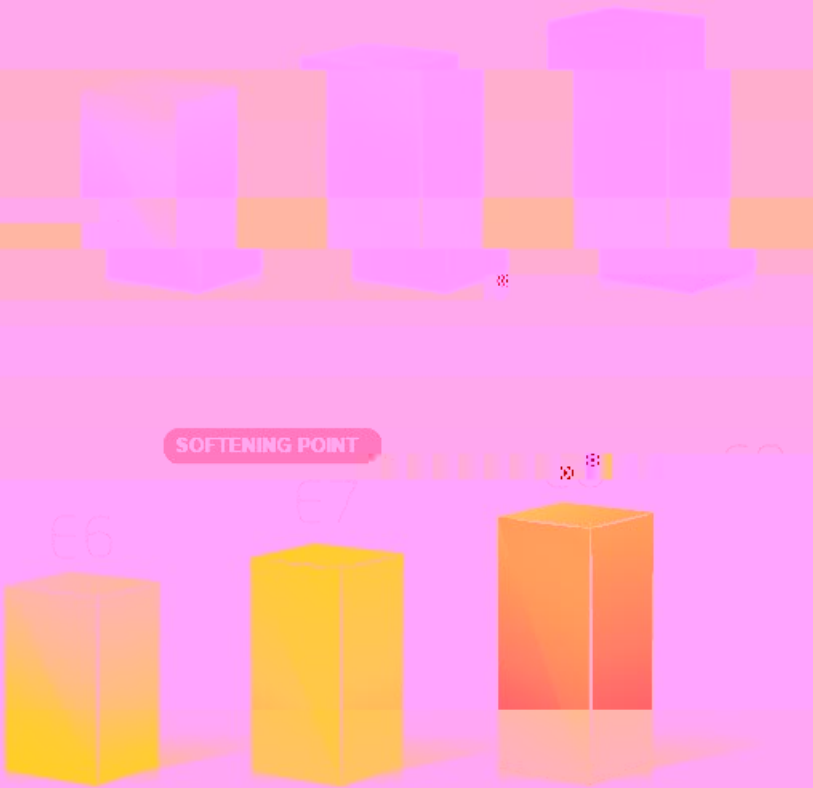
unit cost of power generation and prolonging the

service life of wind blades.



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

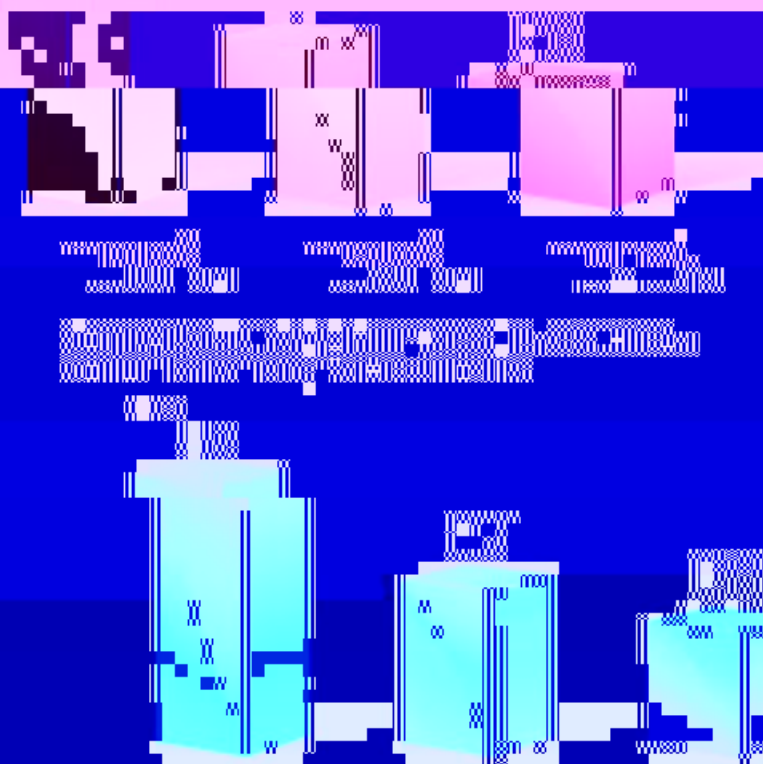
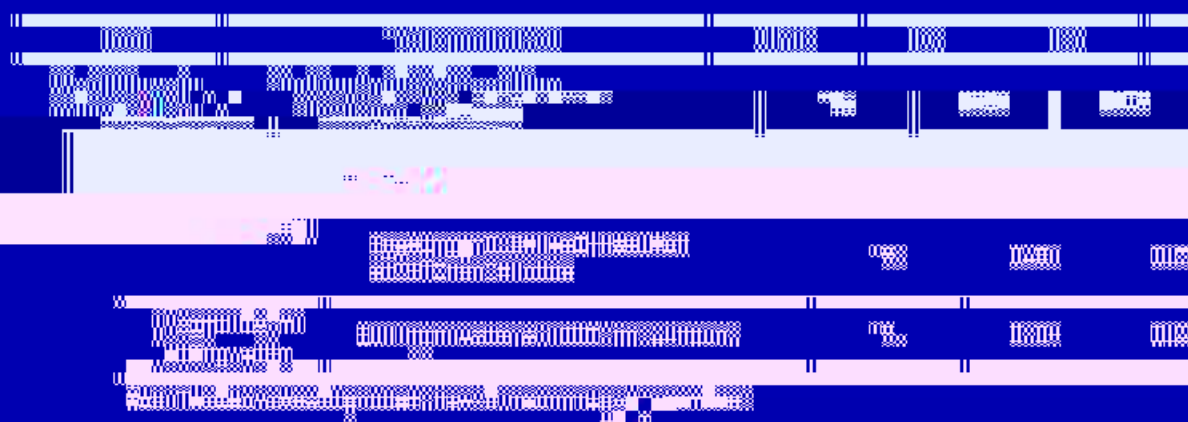
- The use of boron-free and nickel-free materials enables clean production.
- E8 is therefore more suitable for wind energy, high pressure and high temperature applications. In addition, E8 retains the excellent electrical



Property	Standard / Method	Unit	E6	E7	E8
Density	ASTM C693	g/cm ³	2.62-2.63	2.60-2.61	2.62-2.63
Refractive Index	ASTM C1648	/	1.566	1.562	1.568
Expansion Coefficient	ASTM D696	10 ⁻⁶ K ⁻¹	6.0	5.5	5.2
Softening Point	ASTM C698	°C	898	921	930
Elastic Modulus	ASTM E1876	GPa	61	63	65
Dielectric Constant (23°C, 1MHZ)	ASTM D150	/	7.1	7.0	6.9

E8 glass fiber is made from a unique glass composition which improves the corrosion resistance in a variety of circumstances. Compared with E6 and E7 glass 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 in an environment

IONARY



EXCELLENT MECHANICAL PROPERTIES

E8 is a high-performance glass fiber with higher modulus and higher strength. E8 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. E8 glass fiber can be widely used in the fields of large wind blades, military equipment, high pressure vessels and aerospace.

Test Sample	Property	Standard	E6	E7	E8
Tensile 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	95-98
1250 g/m ² UD fabric, (tested in 0° direction), Infusion process, Epoxy resin	Tensile strength (MPa)	ISO 527-5	/	1321.7	1332.3
	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	1005.9
	Compressive modulus (GPa)	ISO 14126	/	48.1	52.1
	Fiber volume content (%)	ISO 1172	/	53.8	54.3



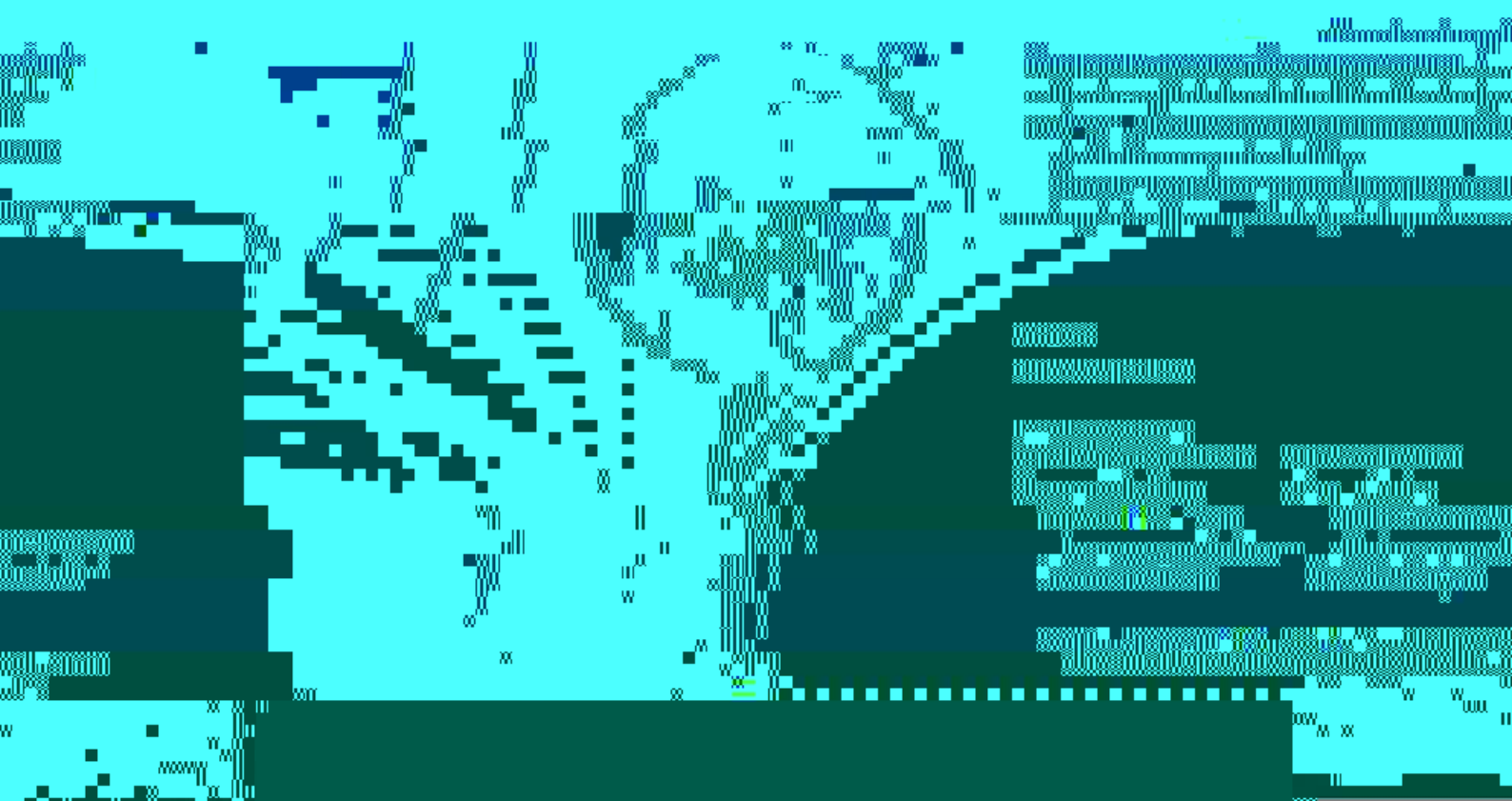
CERTIFICATIONS

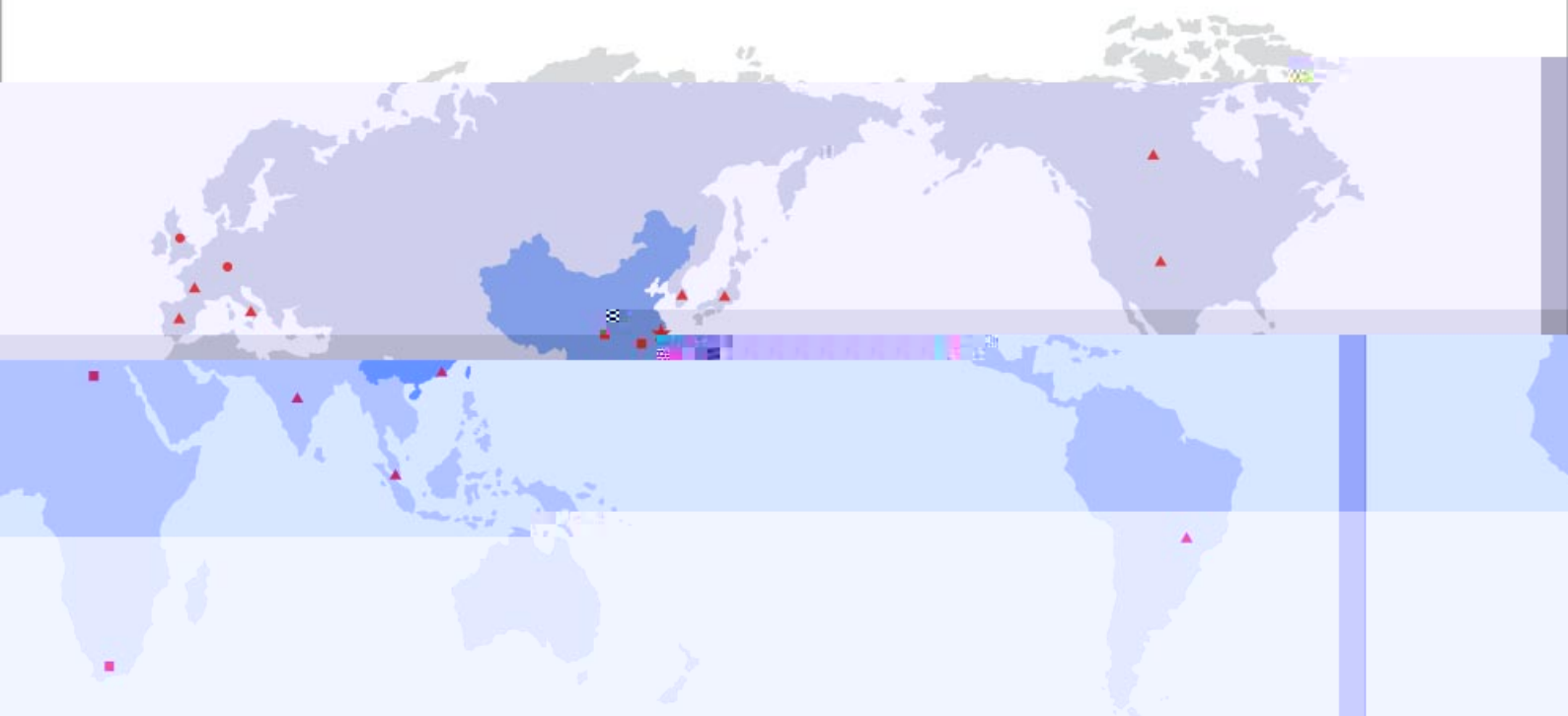
CHINA JUSHI ALWAYS ADHERES TO ITS FUNDAMENTAL MANAGEMENT PRINCIPLES:

- o Apply science and technology development.
- o Build the brand name to expand market share.
- o Enhance management by continuous improvement.
- o 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 Laboratory (CNAS) and Germanischer Lloyd (GL). The fiberglass rovings and chopped strand mats under the

CE mark have been certified by the European Union. The products are sold in more than 100 countries and regions.





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