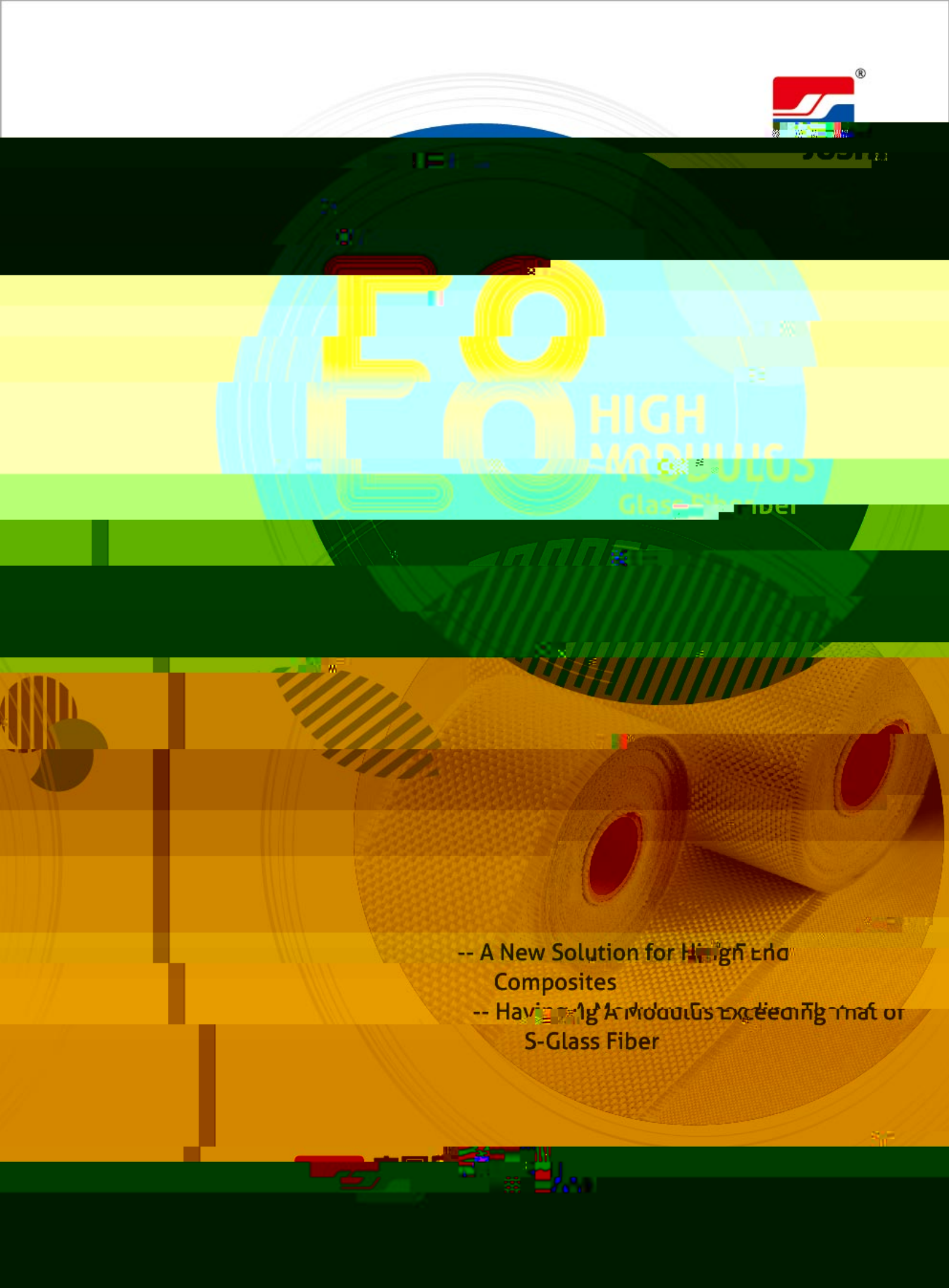

HIGH
MODULUS
Glass Fiber
-- A New Solution for High End
Composites
-- Having A Modulus Exceeding That of
S-Glass Fiber

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.

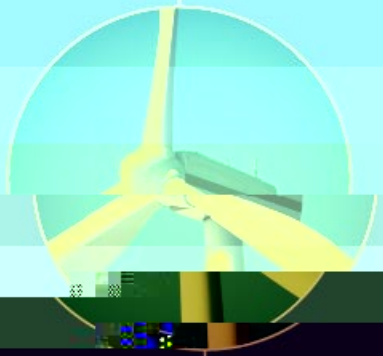
Jushi people adhere to our core values of "Behavior, Innovation, Responsibility, Learning, Enthusiasm" to build the company into an international corporation with the largest scale, leading technology, excellent team, lean management, powerful execution, outstanding operating results and high quality 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.

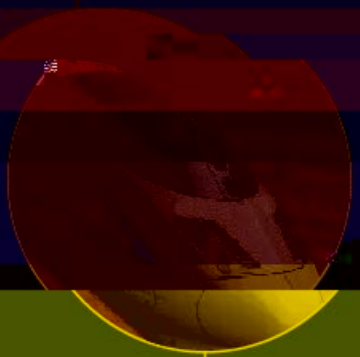
COMPANY PROFILE

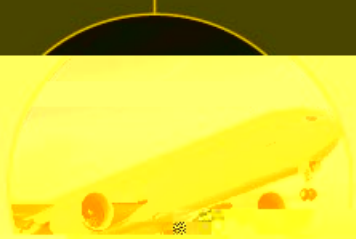
GOALS

CREATION OF A NEW SOLUTION FOR HIGH-END COMPOSITES

China Jushi has developed its 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 less investment in a safer 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 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 blade manufacturers can make longer blades with better fatigue resistance and higher adaptability in wind zone, which will reduce the unit cost of power generation and prolong the service life of wind blades.







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

production.

E8 is therefore more suitable for wind energy, high pressure and high

JUSHI

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

Control, chemical and corrosion and desalination.

AT 100℃ FOR 24 HOURS

TIONARY

ASS

UTION FOR

OMPOSITES

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 product requirements of composite materials to be used large-deformation environments. E8 glass fiber will be widely used in the fields of large wind blades, military equipment, high-end sporting goods, aerospace.

Test Sample	Property	Standard	E6	E7	E8
Single property of impregnated roving / Yarn type	Tensile strength (MPa)	ASTM D2343	3500-3700	3800-4000	4100-4300
	Tensile modulus (GPa)	ASTM D2343	74-76	77-81	82-86
Unidirectional laminate (Tested in 0° direction) / Molding process: Epoxy resin	Tensile strength (MPa)	ISO 527-5	/	1931.7	1932.3
	Tensile modulus (GPa)	ISO 527-5	/	85.3	91.6
	Fiber volume content (%)	ISO 1172	/	59.8	59.6
	Compressive strength (MPa)	ISO 14126	/	972.8	1010.9
	Compressive modulus (GPa)	ISO 14126	/	40.1	42.4
	Fiber volume content (%)	ISO 1172	/	54.4	54.3

CERTIFICATIONS

CHINA JUSHI ALWAYS ADHERES TO ITS FUNDAMENTAL MANAGEMENT PRINCIPLES:

China Jushi owns proprietary, world-class core technologies for large E-glass fiber furnaces, C-glass fiber furnaces and high-performance glass fi

TECHNICAL COLLABORATION AND SUPPORT