



CHINA
JUSHI

Advanced New Fiber for Composite
Having A Modulus Over **100 GPa**

Ultra High Modulus
Glass Fiber

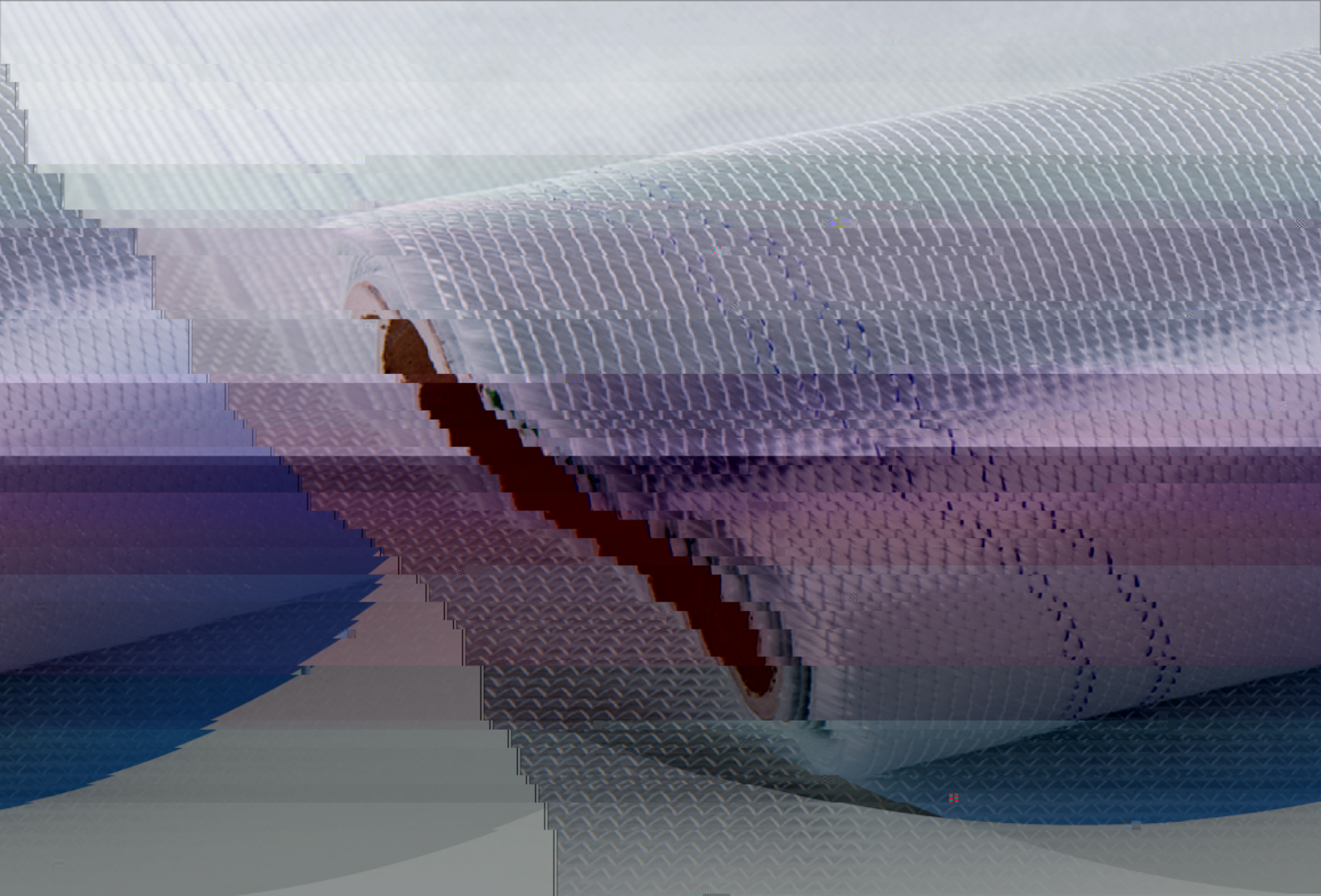


GOALS

E9 ultra-high modulus glass fiber represents Jushi's latest breakthrough in high modulus fiber technology.

is even higher than E-glass fiber, and its modulus is even higher than E-glass fiber.

118-174



GLASS FIBER REVOLUTIONARY GLASS FIBER

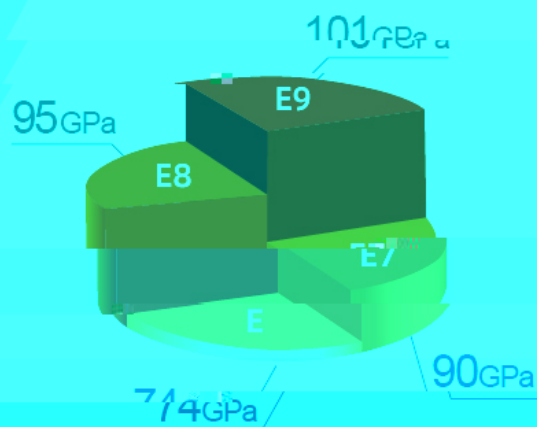
A NEW SOLUTION FOR HIGH-TEMPERATURE COMPOSITE

GLASS FIBER is a new type of glass fiber fabric, which is made of high-purity glass fibers and is widely used in high-temperature composite materials.

GLASS FIBER has many advantages, such as high strength, high modulus, high temperature resistance, and high fatigue resistance.

GLASS FIBER		GLASS FIBER	
Higher Strength		Higher Modulus	
Tensile strength is 100% higher than traditional E-glass.		A modulus over 110GPa.	
Tensile strength is 12% higher than E-glass.		Tensile strength is 15% higher than traditional E-glass.	
Temperature Resistance		Higher High-Temperature Resistance	
Temperature resistance is 31% higher than traditional E-glass.		Temperature resistance is 31% higher than traditional E-glass.	
Fatigue Resistance		Higher Fatigue Resistance	
Fatigue resistance is 10% higher than traditional E-glass, ensuring higher reliability of finished products.		Fatigue resistance is 10% higher than traditional E-glass, ensuring higher reliability of finished products.	
More Environment-friendly		More Environment-friendly	
More environment-friendly and online-free glass composition to ensure clean production.		More environment-friendly and online-free glass composition to ensure clean production.	

ELASTIC MODULUS



WEIGHT

5.10g/cm³

SOAKING POINT

930°C

EXPANSION COEFFICIENT

5.5 10⁻⁶ K⁻¹

TEST METHOD	UNIT	E	E7	E8	E9	PROPERTY
ASTM E1876	GPa	74	90	95	101	Elastic Modulus
ASTM C338	°C	838	921	930	970	Softening Point
ASTM D696	10 ⁻⁶ K ⁻¹	6.1	5.5	5.2	4.7	Expansion Coefficient
ASTM D150		1.500	1.500	1.500	1.570	Refractive Index
ASTM D150		0.7	0.7	0.7	0.9	Dielectric Constant

ITEM	TEST METHOD	UNIT	E	E7	E8	E9	PROPERTY
Soaking in acidic solution	Soaking in 10% HCl solution at 23°C						Retention rate

CERTIFICATIONS

China Jushi Indonesia's ISO 9001 International Management
principles: "Apply science and technology."

