



CHINA
JUSHI

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

Ultra High Modulus
Glass Fiber

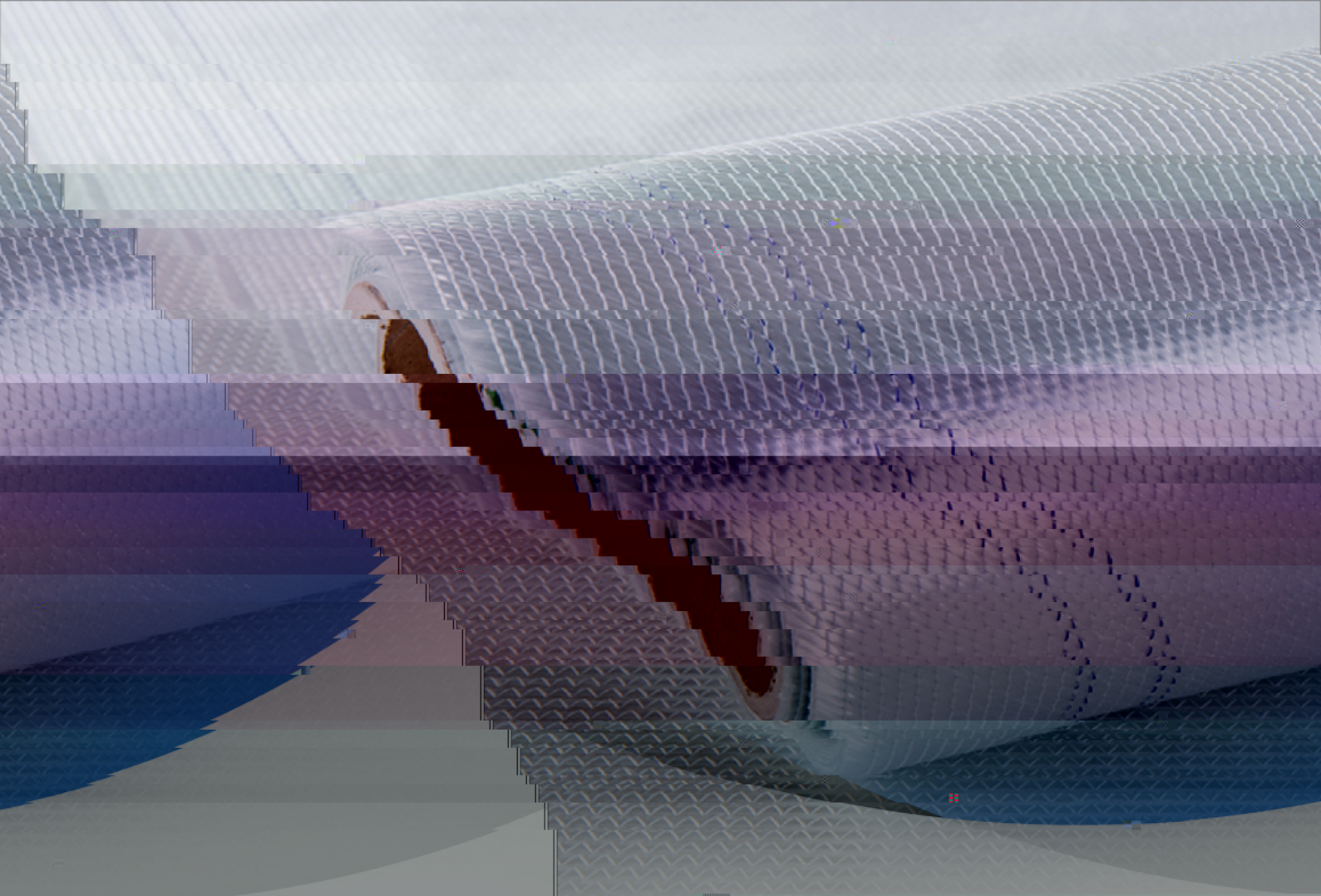


GOALS

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

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

118-174



GLASS FIBER REVOLUTIONARY GLASS FIBER

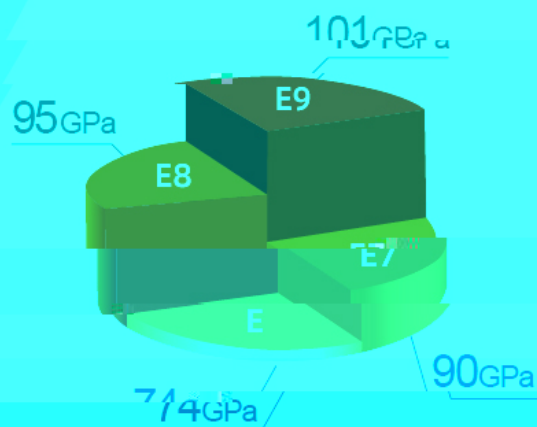
A NEW SOLUTION FOR HIGH-TEMPERATURE COMPOSITE

GLASS FIBER is a new type of glass fiber fabric, which is made of high-purity glass fibers and is characterized by high strength, high modulus, high temperature resistance, high fatigue resistance, and high environmental friendliness.

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GLASS FIBER		GLASS FIBER	
Higher Strength		Higher Modulus	
Tensile strength is 100% higher than traditional E-glass.		A modulus over 11,000GPa.	
Tensile strength is 12% higher than E-glass.		Tensile strength is 12% 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 higher than traditional E-glass, ensuring higher reliability of finished products.		Fatigue resistance is 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

5.10 g/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

EXCELLENT MECHANICAL PROPERTIES

As a new generation glass fiber, Jushi E9 has higher modulus, strength and stability, which can fully meet the requirements for high strength, corrosion resistance and impact resistance to composite materials, and can meet the higher requirements for composite design and use environment.

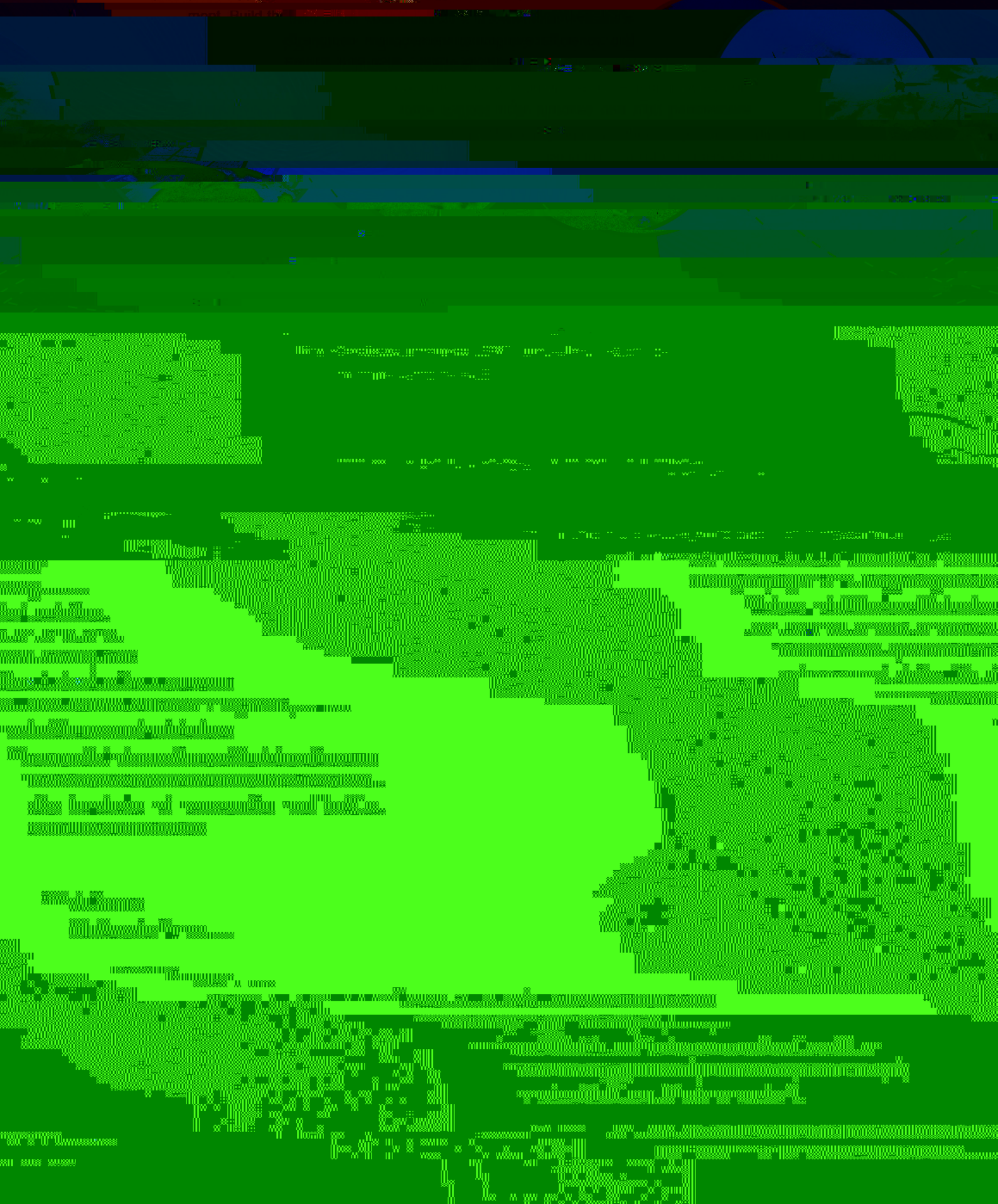
E9 glass fiber can be used in wind power, infrastructure, transportation, marine, building and other fields. It can be used in various forms, such as roving, woven fabric, non-woven fabric, UD fabric, etc. It can be used in various forms, such as roving, woven fabric, non-woven fabric, UD fabric, etc. It can be used in various forms, such as roving, woven fabric, non-woven fabric, UD fabric, etc.

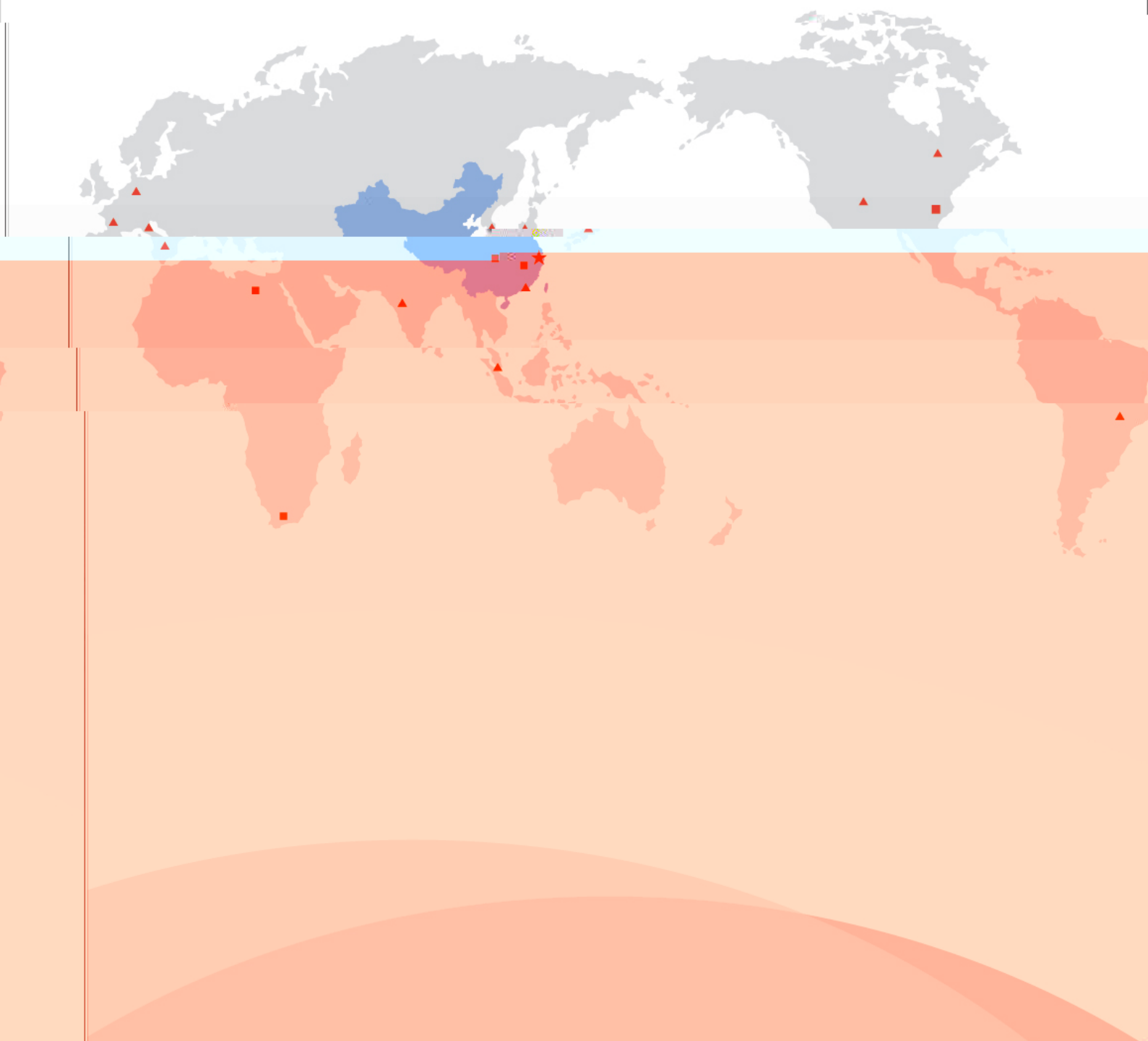
E9 Glass Fiber Products									
Product Name		Product Type		Product Specification		Product Weight		Product Price	
E9 Glass Fiber Roving		Roving		E9 Glass Fiber Roving		E9 Glass Fiber Roving		E9 Glass Fiber Roving	
E9 Glass Fiber Woven Fabric		Woven Fabric		E9 Glass Fiber Woven Fabric		E9 Glass Fiber Woven Fabric		E9 Glass Fiber Woven Fabric	
E9 Glass Fiber Non-woven Fabric		Non-woven Fabric		E9 Glass Fiber Non-woven Fabric		E9 Glass Fiber Non-woven Fabric		E9 Glass Fiber Non-woven Fabric	
E9 Glass Fiber UD Fabric		UD Fabric		E9 Glass Fiber UD Fabric		E9 Glass Fiber UD Fabric		E9 Glass Fiber UD Fabric	
E9 Glass Fiber Laminates		Laminates		E9 Glass Fiber Laminates		E9 Glass Fiber Laminates		E9 Glass Fiber Laminates	
E9 Glass Fiber Composites		Composites		E9 Glass Fiber Composites		E9 Glass Fiber Composites		E9 Glass Fiber Composites	
E9 Glass Fiber Reinforced Concrete		Reinforced Concrete		E9 Glass Fiber Reinforced Concrete		E9 Glass Fiber Reinforced Concrete		E9 Glass Fiber Reinforced Concrete	
E9 Glass Fiber Reinforced Plastic		Reinforced Plastic		E9 Glass Fiber Reinforced Plastic		E9 Glass Fiber Reinforced Plastic		E9 Glass Fiber Reinforced Plastic	
E9 Glass Fiber Reinforced Metal		Reinforced Metal		E9 Glass Fiber Reinforced Metal		E9 Glass Fiber Reinforced Metal		E9 Glass Fiber Reinforced Metal	



CERTIFICATIONS

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





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