



CHINA
JUSHI

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

Ultra High Modulus
Glass Fiber

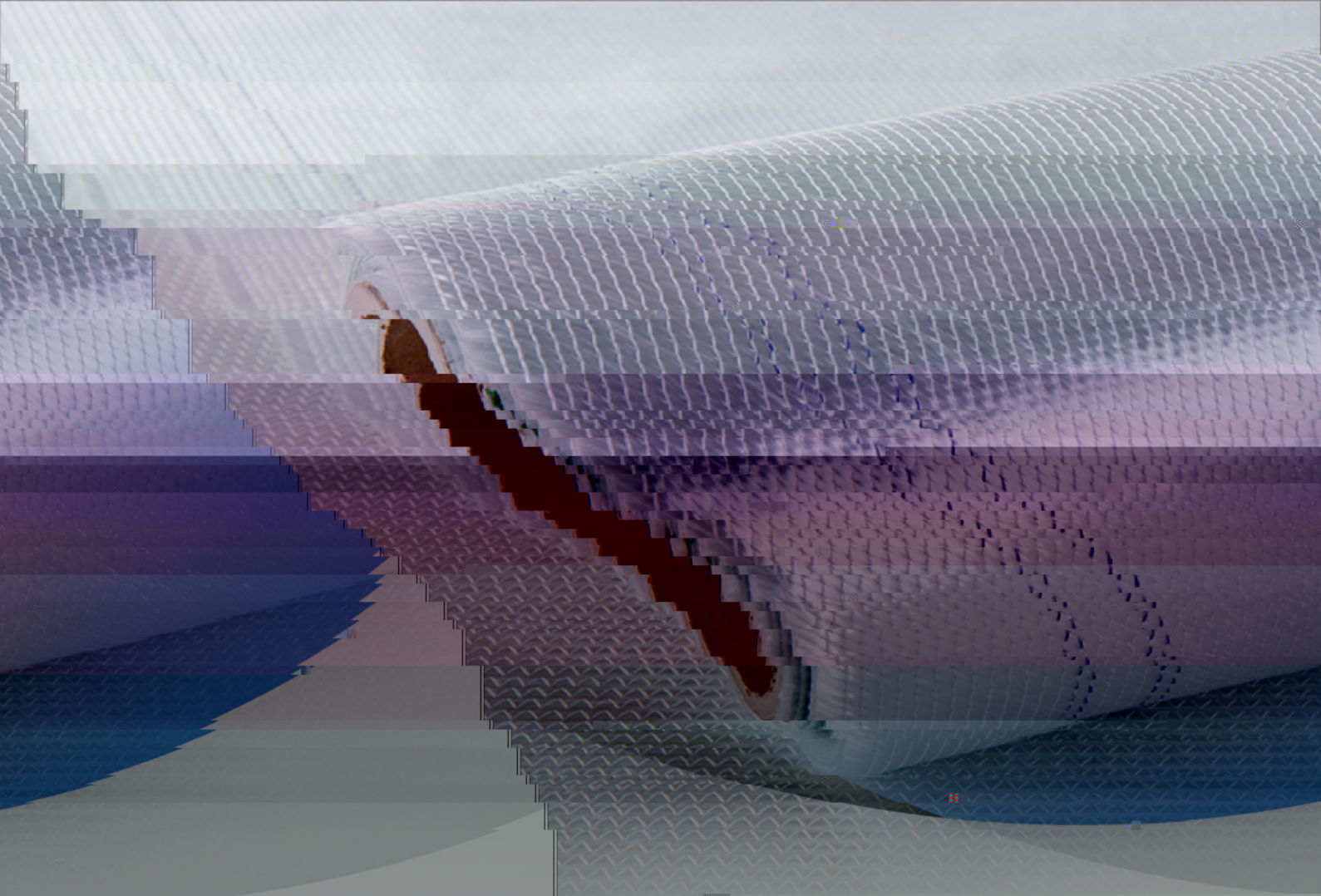


GOALS

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

is even higher in the fiberglass industry, its modulus

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 used for high-temperature composite materials. It has a high strength, high modulus, and high temperature resistance, making it a revolutionary solution for high-temperature composite materials.

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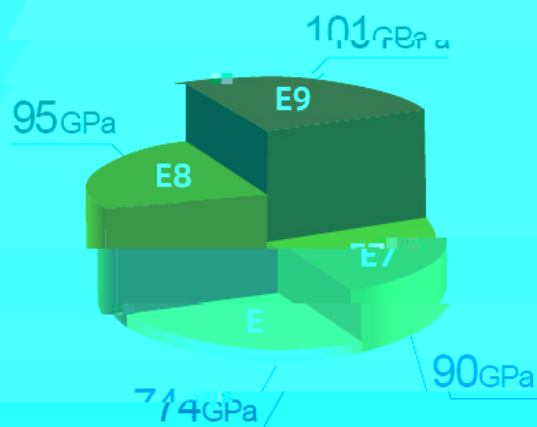
GLASS FIBER		GLASS FIBER	
Higher Strength		Higher Modulus	
100% higher than traditional E-glass.		A modulus over 1,100GPa.	
12% higher than E-glass.		15% higher than traditional E-glass.	

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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	2838	2921	2930	2970	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

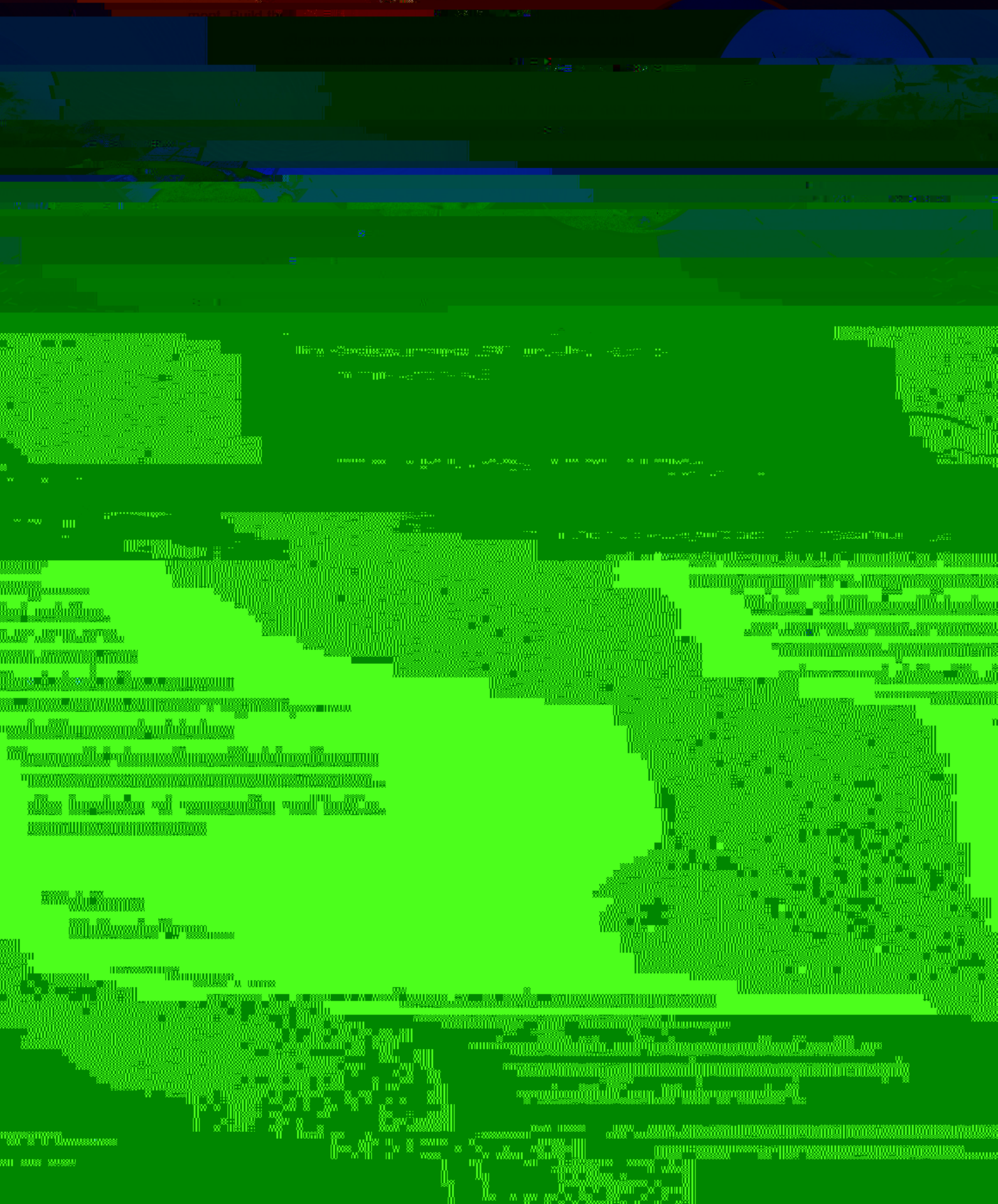
...and there's no way I'm able to meet

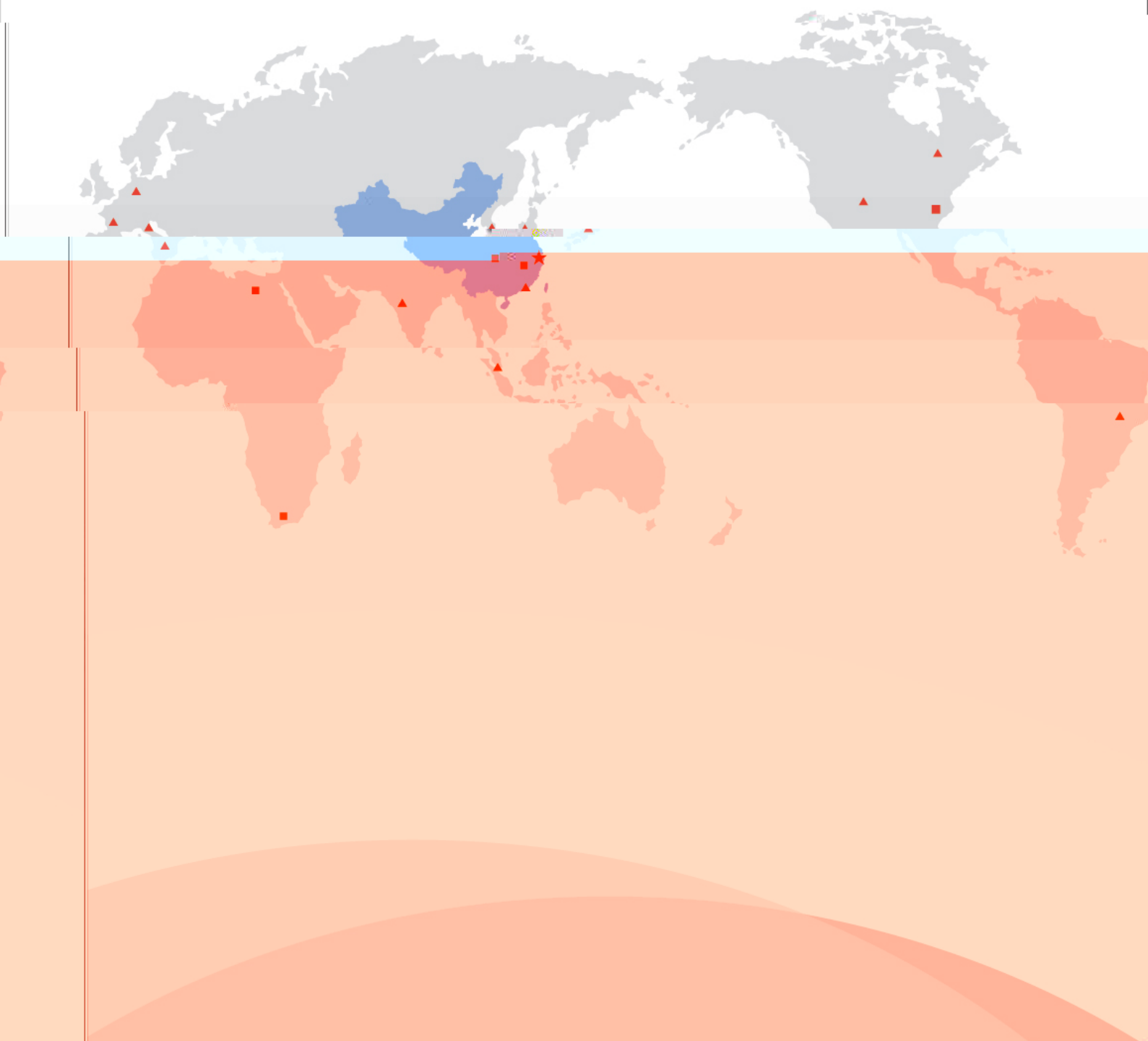
radiographic, fatigue resistance, and impact resistance to composite materials

higher requirements for composites design and use environments.

CERTIFICATIONS

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





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