
Best Corrosion Resistance Solution
Boron-Free Fluorine-Free
Glass Fiber

Company Profile

Register (LR), Germanischer Lloyd (GL) and Attestation De Conformite Sanitaire

Jushi produces E-glass and C-glass glass fiber products including rovings, chopped strands, chopped strand mats, woven

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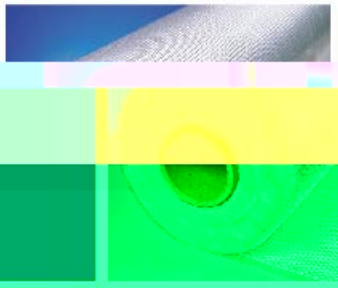
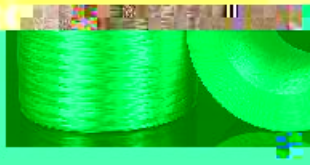
GOALS

Best Corrosion Resistance Solution for
High-Performance Composite Materials

E6-CR GLASS FIBER

Excellent Corrosion Resistance





Compared with typical E-glass fiber, **E6-CR** offers the following unique benefits:

- Higher chemical stability
- Boron-free fluorine-free, to ensure clean production

E6-CR glass fiber is produced with a unique glass [illegible] improvement in chemical corrosion resistance, especially in neutral, acidic or alkaline solutions. The improvement in corrosion resistance is especially significant in the acidic

Weight loss comparison of E-glass and E6-CR glass fibers soaking in 0.025M NaOH

E6-CR REINFORCEMENTS

Excellent Environment Durability

a)	ISO 527-5	/	42.6	42.9
(tested in 0° direction), Infusion process, Epoxy resin	Fiber Volume Content (%)	ISO 1172	/	53.6	54.0
	Tensile strength (MPa)	ISO 14126	/	805.5	819
	Tensile modulus (GPa)	ISO 14126	/	42.9	43.1
	Fiber Volume Content (%)	ISO 1172	/	53.6	54.0

Tensile strength (MPa)	GB/T 1447	38.1%	11.4%
Tensile modulus (GPa)	GB/T 1447	2.8%	1.9%
Flexural strength (MPa)	GB/T 1449	29.5%	22.3%
Flexural modulus (GPa)	GB/T 1449	2.6%	1.8%

Temperature Resistance

Glass fiber reinforced composites are increasingly used in harsh environments, such as pipes used in oil-field processing or in chemical plants. Temperature is an important factor that can reduce the strength and thus shorten the operating life of composites.

Flexural strength (MPa)	GB/T 1449	17.0%	15.4%
Flexural modulus (GPa)	B/T 1449	14.0%	12.8%

ENVIRONMENTAL PROTECTION

Become a Model for Clean Production

China Aoke is committed to improving our environmental footprint. We have invested heavily in the most modern technologies available to reduce pollutant emissions into our environment. Improved oxygen lance technology reduced total waste gas emissions from the furnace by 30% and the nitrogen oxide emissions by over 40%. State of the art glass recycling technology ensures zero discharge of process waste glass dust. Modern waste purification technology enables zero discharge of industrial waste water from our production processes. CHOI glass fiber is produced by more scientific production technology and process which not only improves the product performances, but also control air pollutants at source. The development of CHOI glass fiber is consistent with our constant commitment to waste minimization and sustainability. Not only have we achieved the goal of improving our glass fiber products, but we also have improved our environmental footprint at the same time.

Offer Best Technical Support

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