Company Profile

Contents

GOALS

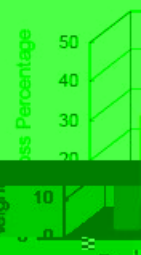
Host Corrosion Resistance Solution for
High-Performance Composite Materials

E6-CR GLASS FIBER

Excellent Corrosion Resistance

Compared with typical E-CR glass fibers

Item	Testing method	E	ECR	E6®	E6-CR
Weight loss in	Soaking in 10%HCl solution	18.43%	0.22%	0.0%	
Weight loss in alkalin	Soaking in 0.025M Na_2CO_3 at 23℃ for 24 hours				



E E6® ECR E6-CR

uniform filament diameter.

ss comparison of
ECR an C glass fibers
g in 10% H_2SO_4 solution at 96℃
4 hours

and Electrical Properties of ECR, E6® and E6-CR Glass Fibers:

erty	Testing method	Unit	ECR	E6®	E6-CR
sity	ASTM C693	g/cm³	2.66	2.62-2.63	2.62-2.63
e Index	ASTM C1648	/	1.576	1.566	1.566
Coefficient	ASTM D696	10^{-6} K^{-1}	5.9	6.0	6.0
g Point	ASTM C338	℃	900	898	902
Modulus	ASTM E1876	GPa	80	81	82
Constant MHz)	ASTM D150	/	7.2	7.1	7.0

Weight
E, E6®,
soak
after

Physica

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Dielectri (23℃

E6-CR REINFORCEMENTS

Excellent Environment Durability

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

Epoxy resin

	Tensile strength (MPa)	GB/T 1447	38.1%	11.4%
turated polyester	Tensile modulus (GPa)	GB/T 1447	2.8%	1.9%
Hand laid laminates	Flexural strength (MPa)	GB/T 1449	29.5%	22.3%
	Flexural modulus (GPa)			

ed for 10 days at 180, and then put in an -60 environment for another 10 days. The relative loss of properties after the exposure is shown in the table below.

Sample	Property	Standard	E6®	E6-CR
	Glass content (%)	ISO 1172	58	58
2 woven roving	Tensile strength (MPa)	GB/T 1447	4.9%	4.5%
ed polyester	Tensile modulus (GPa)	GB/T 1447	6.8%	6.1%
laminates	Flexural strength (MPa)	GB/T 1449	17.0%	15.4%
	Flexural modulus (GPa)	B/T 1449	14.0%	12.8%

800g/

Unsatura

Hand la

ENVIRONMENTAL PROTECTION

Become a Model for Clean Production

China Jushi is committed to improving our environmental footprint. We have invested heavily in the most modern technologies available to reduce pollutant emissions into the environment. Improved oxygen firing technology reduced total waste gas emissions from the furnace by 80% and the nitrogen oxide emissions by over 90%. State of the art glass recycling technology ensures zero discharge of process waste glass fiber. Modern waste purification technology enables zero discharge of industrial waste water from our production process. E6-CR glass fiber is produced by more scientific production technology and process which not only improve the product performances, but also control air pollutants at source. The development of E6-CR glass fiber is consistent with our constant commitment to social responsibility 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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