

# Fibrecore

LIGHTER AND STRONGER FIBERGLASS SUNSHADING FABRIC

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1% 5% Openness Factor **SC-FC12**

Fibrecore

Lighter and Stronger Fiberglass Sunshading Fabric

LIGHTER | STRONGER | FIBERGLASS

## SC-FC12 1% 5% Openness Factor



SC-FC12-01



SC-FC12-02



SC-FC12-03



SC-FC12-04



SC-FC12-05



SC-FC12-06



SC-FC12-07



SC-FC12-08



SC-FC12-09



SC-FC12-10



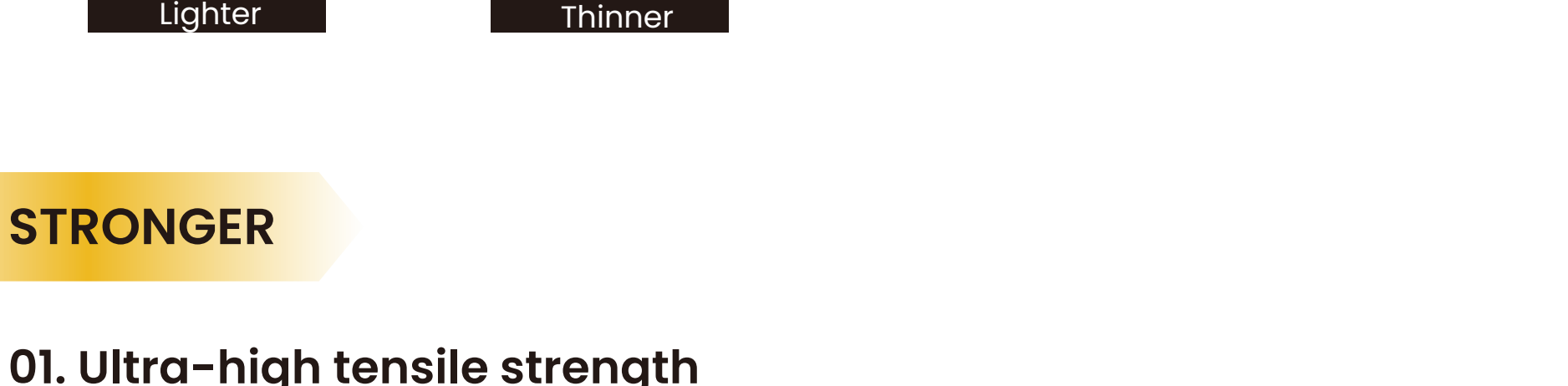
SC-FC12-11



SC-FC12-12

### LIGHTER

Compared with ordinary fiberglass fabrics on the market, under the same tensile strength, the fiber diameter is thinner, the grammage is 22% lighter, and the thickness is 28% thinner.



### STRONGER

#### 01. Ultra-high tensile strength

Core technology processing, compared with glass fiber fabrics of the same weight, under the same wire diameter, the glass fiber accounts for 40%-64%, and the tensile strength is increased by 70%.



Excellent Strength Even After Colorfastness Testing: Even after undergoing ISO 105-B04 colorfastness testing, the fabric maintains excellent tensile and tear strength, ensuring long-term mechanical performance and long-lasting color retention.

Stable Performance in Extreme Temperatures: The fabric maintains high tensile and tear strength in extreme temperatures (-30°C to 70°C), making it suitable for use in both hot and cold climates, and offers exceptional durability.

#### 02. Better UV resistance

The fiberglass fabric is UV-resistant, anti-aging, anti-acid and alkali resistant, weather resistant, so it has long service life.

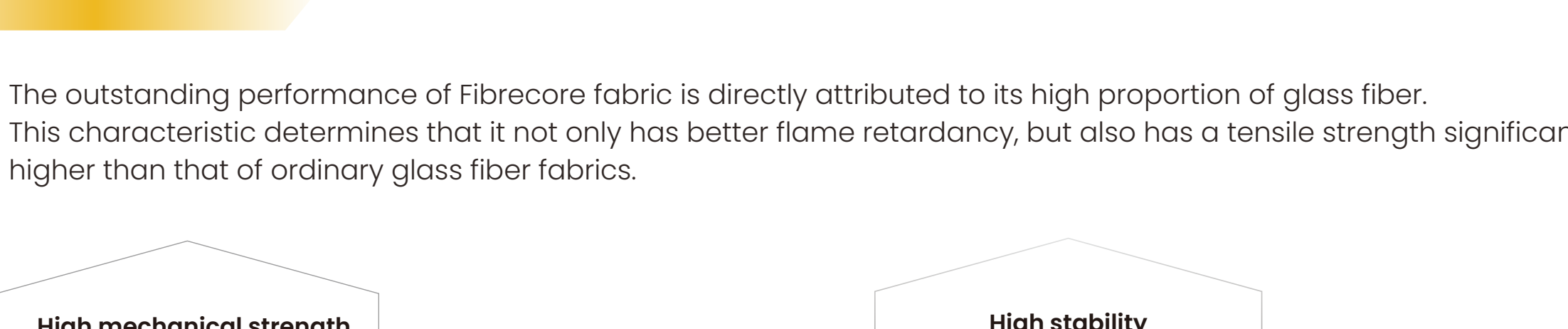


- UV RESISTANT
- WEATHER RESISTANT
- ANTI-ACID ALKALI RESISTANT

7 ISO 105-B04 8 ISO 105-B02

#### 03. Super fireproof function

It complies with all global fire protection certifications. Glass fiber is not flammable, and PVC treated with flame retardant additives makes the fabric have excellent fire resistance. It has passed the test certificates such as NFPA701, DIN4102-1 B1 grade, BS5867, EN 13501, and NF P 92-503 M1 fire protection standards.



- High temperature resistance
- Structural stability
- Not easy to produce smoke

NFPA701 DIN4102-1 B1 BS 5867 EN 13501 NF P92-503 M1

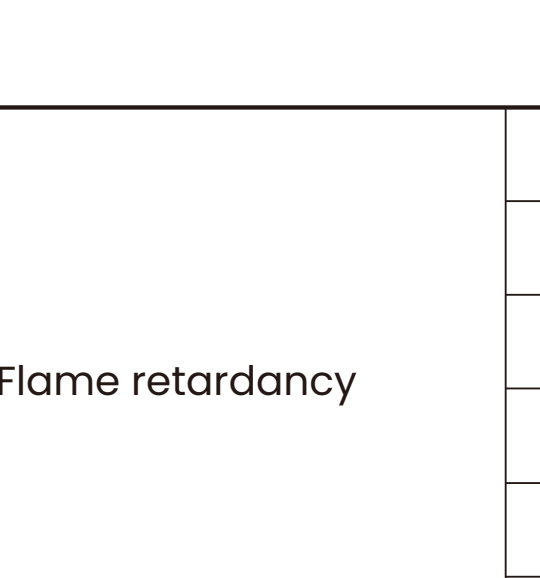
#### 04. Good edge-sealing performance

The fabric edges do not need to be reinforced and can be cut by any equipment without any frayed edges or burrs.

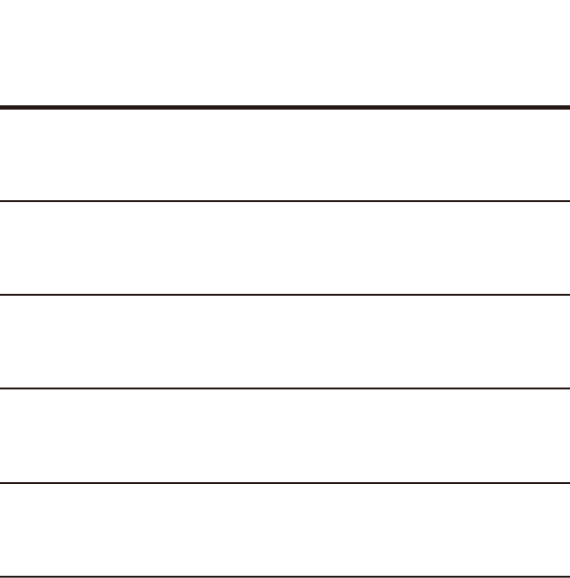
- Laser cutting
- Ultrasonic cutting
- Pressure cutting
- Blade cutting

### FIBERGLASS

The outstanding performance of Fibrecore fabric is directly attributed to its high proportion of glass fiber. This characterizing determines that it not only has better flame retardancy, but also has a tensile strength significantly higher than that of ordinary glass fiber fabrics.



Fiberglass material greatly improves the tensile strength of the fabric, has significant wind resistance and mechanical properties that is subjected to frequent use.



The fiberglass fabric has low shrinkage, high dimensional stability, which can effectively prevent the warpage deformation and creep of the fabric.

# Fibrecore

# SC-FC12

• Technical properties		• Standard	
Product	SC-FC12-1%	SC-FC12-5%	-
Composition	42% Fiberglass + 58% PVC	42% Fiberglass + 58% PVC	FZ/T 01057.1-4-2007
Width	320cm	320cm	DIN EN ISO 2286-1
Thickness	0.82mm±5%	0.8mm±5%	DIN EN ISO 2286-3
Weight	630g/m²±5%	540g/m²±5%	DIN EN ISO 2286-2
Roll length	30m	30m	-
Openness factor	1%	5%	-
Yarn Count	20*17 yarn/cm	18*14 yarn/cm	-

• Physical properties			
Breaking strength	Warp >321 daN/5cm	Warp >260 daN/5cm	EN ISO 1421
	Weft >277 daN/5cm	Weft >225 daN/5cm	EN ISO 1421

• Flame retardancy	
Flame retardancy	DIN4102-1 B1
	NFPA701
	NF P92-503 M1
	EN 13501
	BS 5867
GB8624 B2	

• Solar optical values	
Color fastness	ISO 105-B04 7 Grade
	ISO 105-B02 8 Grade

• Eco friendly	
REACH	Pass

• Certifications, labels, guarantees	
BSCI	Pass
ISO 9001	Pass
ISO 14001	Pass
ISO 45001	Pass