

# Chongqing Dujiang Composites Co.,Ltd

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*One-shop solution provider of composite materials*

- FIBERGLASS
- RESIN
- CARBON FIBER
- KEVLAR FABRIC
- MOLD RELEASE WAX
- CURING AGENT
- AUXILIARY



# CARBON FIBER PRODUCT CATALOGUE





## COMPANY PROFILE

Chongqing Dujiang Composites Co.,Ltd, a FRP raw materials supplier and one-stop solution provider. Our company is a Chinese family-owned company which has more than 40 years' produce experiences on fiberglass and FRP.

3 generations of family are working on composites industry.

We have focused on FRP raw materials and FRP products since 1980.

In order to guarantee the good quality of our product, we have a strict control of product's manufacturing.

Our products include fiberglass roving, fiberglass fabrics, carbon fiber fabric, fiberglass mats, fiberglass mesh cloth, unsaturated polyester resin, vinyl ester resin, epoxy resin, gel coat resin, mold release wax, curing agent, resin hardener, accelerator, other auxiliary for FRP, and other raw materials for FRP.

We are looking forward to cooperating with you in the near future.

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## Carbon fiber fabric

Carbon fiber cloth is used for the tensile, shear and seismic reinforcement of structural members. This material is used together with the supporting impregnating glue to become a carbon fiber composite material.

### Product Specification

Type	Reinforcement Yarn		Weave	Fiber Count(mm)		Density(g/m <sup>2</sup> )	Thickness (mm)	Width(cm)
	Warp Yarn	Weft Yam		Warp Ends	Weft Picks			
SAD-1K-P	1K	1K	(Plain)	9	9	120	0.16	100
SAD-1K-X	1K	1K	(Twill)	9	9	120	0.16	100
SAD-1K-P	1K	1K	(Plain)	10.5	10.5	140	0.17	100
SAD-1K-X	1K	1K	(Twill)	10.5	10.5	140	0.17	100
SAD-3K-P	3K	3K	(Plain)	5	5	200	0.30	100
SAD-3K-X	3K	3K	(Twill)	5	5	200	0.30	100
SAD-3K-P	3K	3K	(Plain)	6	6	240	0.32	100
SAD-3K-X	3K	3K	(Twill)	6	6	240	0.32	100
SAD-3K-P	3K	3K	(Plain)	7	7	280	0.34	100
SAD-3K-X	3K	3K	(Twill)	7	7	280	0.34	100
SAD-6K-P	6K	6K	(Plain)	4	4	320	0.38	100
SAD-6K-X	6K	6K	(Twill)	4	4	320	0.38	100
SAD-6K-P	6K	6K	(Plain)	5	5	400	0.42	100
SAD-6K-X	6K	6K	(Twill)	5	5	400	0.42	100
SAD-12K-P	12K	12K	(Plain)	2.5	2.5	400	0.46	100
SAD-12K-X	12K	12K	(Plain)	3	3	480	0.52	100
SAD-12K-P	12K	12K	(Twill)	3	3	480	0.52	100
SAD-12K-X	12K	12K	(TwiH)	4	4	640	0.64	100



Carbon fabric

### Product Application



### End-Use Markets

Aircraft main, tail and body; automobile engines, synchronizers, hoods, bumpers, decorative parts, etc.; bicycle frames, wheels, faucets; rackets, silver basins; kayaks, snowboards; various models, helmets, and building reinforcements Reinforcement, watches, pens, luggage. Transportation: cars, buses, tankers, tanks, liquefied gas cylinders.

### PROPERTY

- The carbon fiber cloth of our company adopts imported carbon wire, which has bright and smooth surface, high straightness, no drum, fast dipping, and saves time and effort in construction.
- Small thickness, easy to cross and overlap, can be bent and wound forming, suitable for reinforcement of various curved surfaces and special-shaped components.
- Carbon fiber has high tensile strength, acid and alkali resistance, and corrosion resistance.
- Non-toxic and non-irritating smell, construction can still be done in residence.
- Light weight, the specific gravity is 23% of the steel, basically does not increase the weight of the component, and does not change the section size of the component.

## Hybrid fabric

Mixed fabric is a new type of fiber cloth interwoven with the characteristics of carbon fiber, aramid and other fibers.



carbon kevlar

### Product Specification

Type	Reinforcement Yarn		Weave	Fiber Count(mm)		Density (g/m <sup>2</sup> )	Width (cm)	Thickness (mm)
	Warp Yarn	Weft Yarn		Warp Ends	Weft Picks			
SAD3K-CAP5.5	T300-3000	1100d	(Plain)	5.5	5.5	165	10 ~1500	0.26
SAD3K-CAP5(a)	T300-3000Kevlar1100d	T300-30001100d	(Plain)	5	5	185	10 ~1500	0.28
SAD3K-CAP6	T300-3000	100d	(Plain)	6	6	185	10 ~1500	0.28
SAD3K-CAP5(b)	T300-3000	T300-1680d	(Plain)	5	5	185	10-1500	0.28
SAD3K-CAP5(blue)	T300-3000Kevlar1100d	T300-3000680d	(Plain)	5	5	185	10-1500	0.28
SAD3K-CAT7	T300-3000	T300-1680d	2/2(Twill)	6	6	220	10-1500	0.30

### End-Use Markets

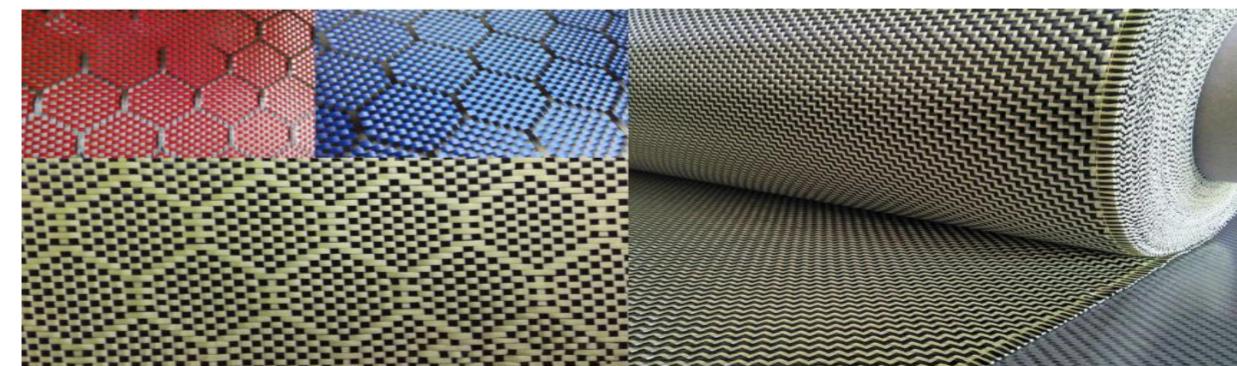
Fine decoration, sports equipment, auto parts, clocks and watches

### PROPERTY

- Light weight
- High strength
- Stable quality
- Resistance high temperature
- Colorful and various pattern design
- Various carbon fiber yarn to meet your demand
- Regular width is 1meter,1.5meters width can be customized

### PACKING AND STORAGE

- Hybrid carbon kevlar could be produced into different widths,each roll is wound on a suitable cardboard tubes with inside diameter of 100mm,then put into a polyethylene bag,
- Fastened the bag entrance and packed into a suitable cardboard box.Upon to customer's request, this product could be shipped either with carton packaging only or with packaging,
- In pallet packaging, the products could be horizontally put on the pallets and fastened with packing straps and shrink film.
- Shipping: by sea or by air
- Delivery Detail: 15-20 days after receive the advance payment



## Kevlar fabric

Aramid fiber is a new type of high-tech synthetic fiber with super high strength, high modulus, high temperature resistance, acid and alkali resistance, light weight and other excellent properties. Its strength is 2 to 3 times that of steel wire or glass fiber, and its toughness is steel wire. The weight is only about 1/5 of the steel wire, and it does not decompose or melt at a temperature of 560 degrees. It has good insulation and anti-aging properties, and has a long life cycle.



Kevlar fabric

### Product Specification

Type	Reinforcement Yarn		Weave	Fiber Count(10mm)		Density(g/m <sup>2</sup> )	Width (cm)	Thickness(mm)
	Warp Yarn	Weft Yarn		Warp Ends	Weft Picks			
SAD-220d-P-13.5	Kevlar220d	Kevlar220d	(Plain)	13.5	13.5	50	10~1500	0.08
SAD-220d-T-15	Kevlar220d	Kevlar220d	(Twill)	15	15	60	10~1500	0.10
SAD-440d-P-9	Kevlar440d	Kevlar440d	(Plain)	9	9	80	10~1500	0.11
SAD-440d-T-12	Kevlar440d	Kevlar440d	(Twill)	12	12	108	10~1500	0.13
SAD-1100d-P-5.5	Kevlar1100d	KevlarHOod	(Plain)	5.5	5.5	120	10~1500	0.22
SAD-1100d-T-6	Kevlar1100d	KevlarHOod	(Twill)	6	6	135	10~1500	0.22
SAD-1100d-P-7	Kevlar1100d	Kevlar 100d	(Plain)	7	7	155	10~1500	0.24
SAD-1100d-T-8	Kevlar1100d	KevlarHOod	(Twill)	8	8	180	10~1500	0.25
SAD-1100d-P-9	KevlarHOod	KevlarHOod	(Plain)	9	9	200	10~1500	0.26
SAD-1680d-T-5	Kevlar1680d	Kevlar 680d	(Twill)	5	5	170	10~1500	0.23
SAD-1680d-P-5.5	Kevlar1680d	Kevlar 680d	(Plain)	5.5	5.5	185	10~1500	0.25
SAD-1680d-T-6	Kevlar1680d	Kevlar 680d	(Twill)	6	6	205	10~1500	0.26
SAD-1680d-P-6.5	Kevlar1680d	Kevlar 680d	(Plain)	6.5	6.5	220	10~1500	0.28

### PROPERTY

- High strength, high modulus, strong flame retardancy, strong
- toughness, good insulation and corrosion resistance, good weaving

### APPLICATION

- Bulletproof vests, bulletproof helmets, stab and cut resistant clothing, parachutes, bulletproof car bodies, cords, rowing boats, kayaks, snowboards; packing, conveyor belts, sewing threads, gloves, sound cones, fiber optic cable reinforcement.



### Carbon fiber sheet

Carbon fiber sheet is a carbon fiber board that uses resin to infiltrate and harden carbon fibers arranged in the same direction to form a carbon fiber board, which can effectively solve the problems of difficult construction of multi-layer carbon fiber cloth and large engineering volume, with good reinforcement effect and convenient construction.



Carbon fiber sheet

### Product Specification

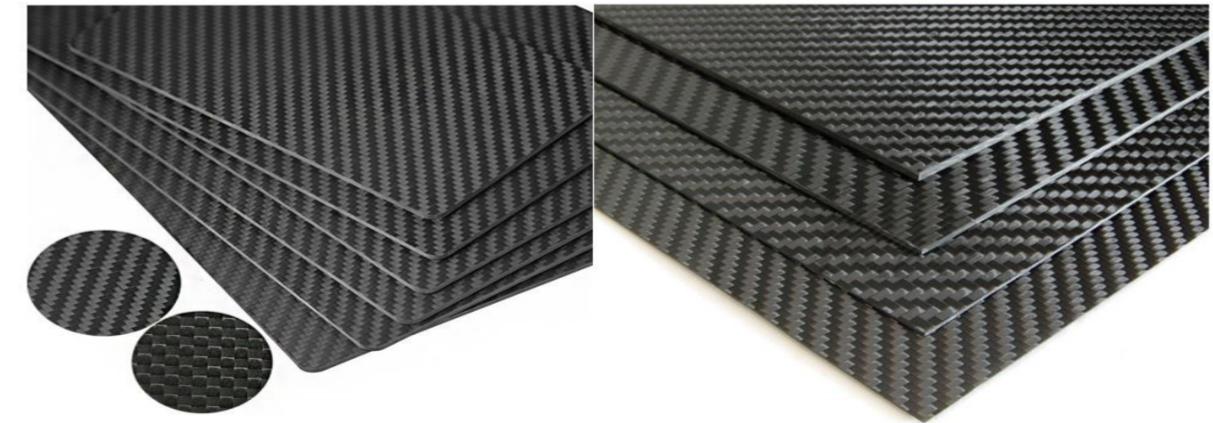
Parameter		Thickness(mm)	Width(mm) * Length(mm)				
Model	XC-038	0.5					
		0.8					
		1.0					
		1.2					
		1.5					
		2.0					
		2.5					
		3.0	400*500	500*500	500*600	600*1000	1000*1200
		3.5					
		4.0					
Surface	Matte	5.0					
		6.0					
		8.0					
		10.0					
Texture	3K(or 1k,1.5K,6k)	12.0					
Pattern	Twill						
Color	Black(or custom)						
Lay up	3K +Middle UD +3K						
Density	200g/sqm - 360g/sqm						

### PROPERTY

- Carbon fiber sheet has high tensile strength, corrosion resistance, shock resistance, impact resistance and other good properties
- High-strength and high-efficiency
- Light weight and good flexibility
- The construction is convenient and the construction quality is easy to guarantee
- Good durability and corrosion resistance

### APPLICATION

- Reinforcement for bending and shearing of concrete beams, reinforcement for concrete floors, bridge slabs, reinforcement for concrete, brick masonry walls, scissors walls, reinforcement for piers, piles and other columns, reinforcement for chimneys, tunnels, pools, concrete pipes, etc.
- In addition, it is also commonly used in the production of multi-rotor UAV fuselages, such as traversing aircraft and aerial photography UAVs.



## Carbon fiber tube

Carbon fiber tube, also known as carbon fiber tube, is made of carbon fiber composite material pre-impregnated with styrene-based polyester resin and then cured by heating and pultrusion (twisting). In the manufacturing process, various profiles can be produced through different molds,



Carbon fiber tube

### Product Specification

Product Name	Carbon fiber colorful tube
Material	Carbon fiber
Color	Colorful
Standard	DIN GB ISO JIS BA ANSI
Surfact	Customer's requirement
Transport	More choose
Delivery date	Delivery the goods within 15days when receiving the payment
Used	More

### PROPERTY

- High tensile strength: The strength of carbon fiber is 6-12 times that of steel, and it can reach more than 3000mpa.
- Low density and light weight. The density is less than 1/4 of steel.
- Carbon fiber tube has the advantages of high strength, long life, corrosion resistance, light weight and low density.
- Carbon fiber tube has the characteristics of light weight, solidity and high tensile strength, but special attention should be paid to electricity prevention when using it.
- A series of excellent properties such as dimensional stability, electrical conductivity, thermal conductivity, low thermal expansion coefficient, self-lubricating, energy absorption and seismic resistance.
- It has high specific modulus, fatigue resistance, creep resistance, high temperature resistance, corrosion resistance, abrasion resistance, etc.

### APPLICATION

- Widely used in mechanical equipment such as kites, aviation model airplanes, lamp brackets, PC equipment shafts, etching machines, medical equipment, sports equipment, etc.



# Sales Market

Our products have been sold to more than 50 countries.



# Our Company

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