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SULONG VENTILATION DUCT

professional tunnel and mining ventilation system



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Jiangsu Sulong Eco-Technologies Co., Ltd



» COMPANY PROFILE

SULONG is located in Filter Material Industry Park, Funing, Jiangsu Province China. We have been servicing the tunnel and underground mining industry for over 30 years and have focused on designing and manufacturing ventilation ducting that provide the underground project with improved safety and performance while increasing energy efficiency and productivity.

We also gathers a group who engaged in polymer research and development and work with Sichuan University for perennial production, learning and research cooperation and lay a solid foundation for the company's technology research and development of new products.

SULONG has Intelligent one time forming production line for ventilation duct fabric with independent intellectual property, two tape casting production lines for waterproof rolls, one production line for tubular product, two production lines for ventilation ducting processing and 500m² R&D test center. By year of 2017, we have 20 authorized atents of independent technical property and 10 invention patents.

The company has passed the ISO9001-2008 Qualification System, ISO 14001:2004 Environmental Management System, GB/T28001-2011/ OHSAS18001:2007 Occupational Health Safety Management , MA, KA Chinese Mining Products Safety Standard, NFPA 701 Standard, CE serial certificates and SGS test reports. Standardized operation and scientific management are the company development strategy all the time.

Over 10-years development, we are based on Chinese marketing and accept international challenge. By now, we have supplier plug-in products for Three Gorges Hydroelectric Power Station, ventilation ducting for Hong Kong-Zhuhai-Macao Bridge. Also, we are qualified suppliers to SINOHYDRO Corporation Limited, CRCC, CWE, China National Coal Group Corp., CRBC and CGGC etc. For overseas, our products are used more than 20 countries and areas. In the wave of global economic integration, Sulong, ride the wind and waves to sail! Let us joining hands, sincere cooperation, win-win development! To create a perfect brand together!



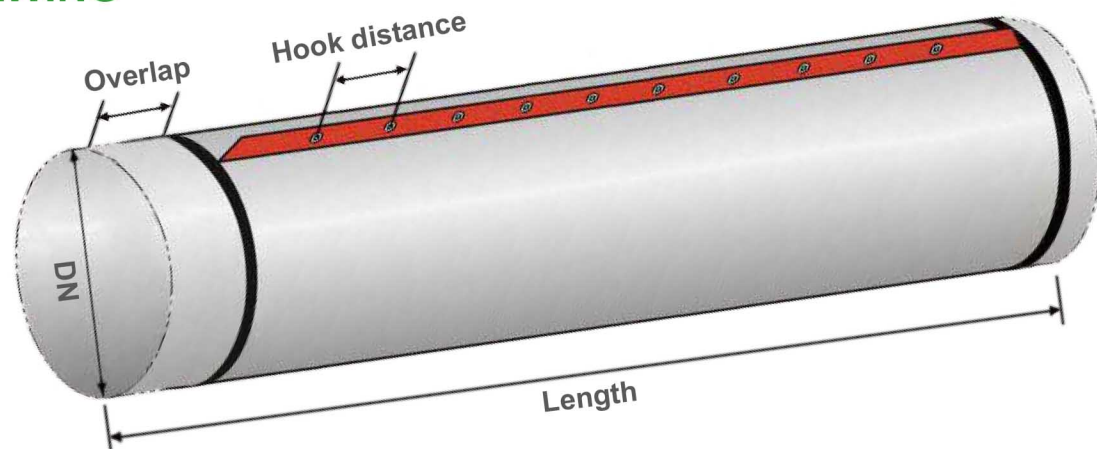
» LAY FLAT VENTILATION DUCT



INTRODUCTION:

- Nylon fabric with both sides PVC coated, Low friction loss, easy-installed, MSHA approved.
- High-strength welded construction provides exceptional airflow performance.
- Flame retardant standards NFPA701:2015 and DIN 4102 B2 approved.
- High tensile strength and tear strength approved by DIN53354 and DIN53363 test methods.
- Diameter: 200 mm-3,200 mm (Custom diameter available).
- Standard Length: 1 m-300 m (Custom length available).
- End connection: zipper / Velcro / steel ring / eyelets.
- Antistatic fabric optional.

DRAWING

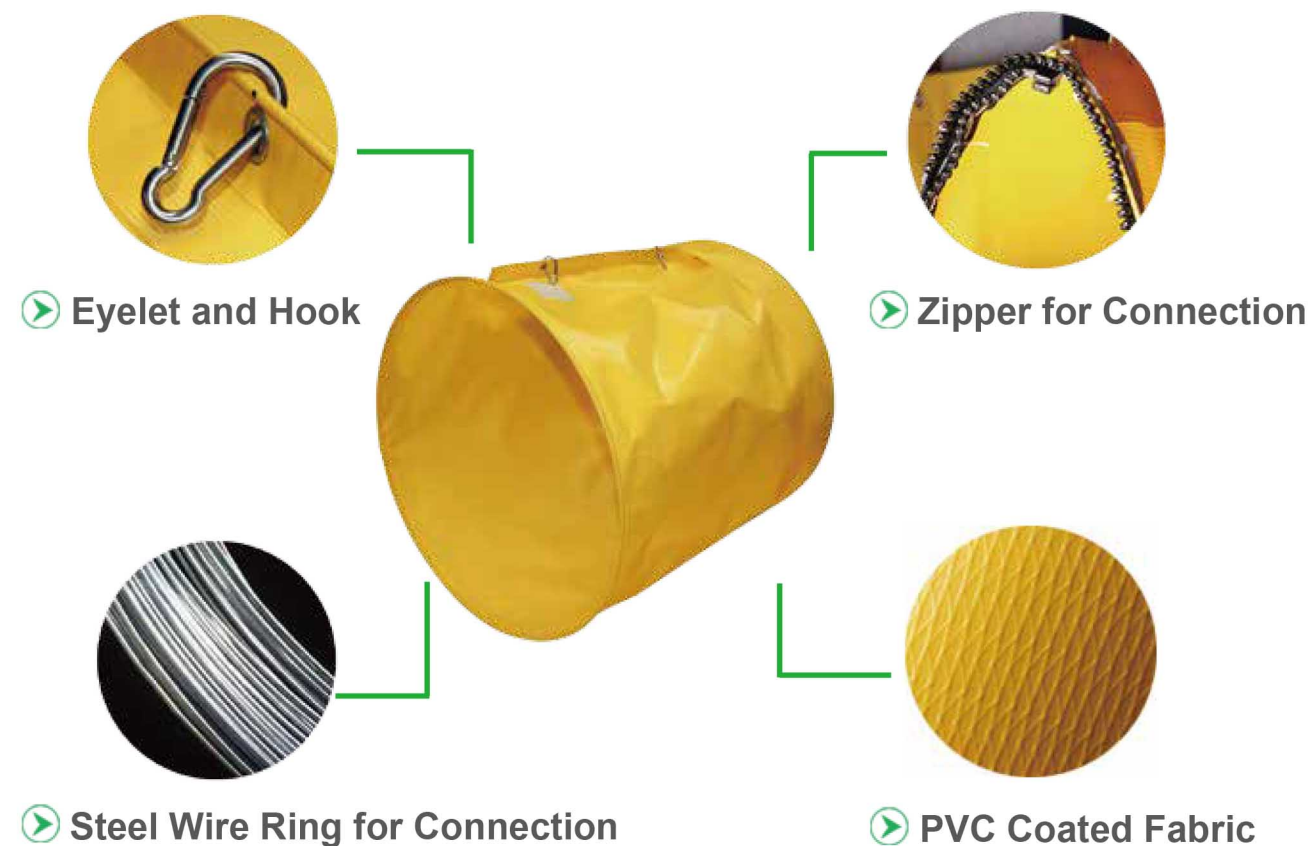


TECHNICAL PARAMETER

PVC FABRIC		SL-FPD- II	SL-FPD-T III	SL-FPD-T II	SL-FPD- I	SL-FPD-T I
THREADS & YARN		1000D×1000D	1000D×1000D	1300D×2000D	2000D×2000D	2000D×2000D
		9×9	9×9	9×9	9×9	12×12
TOTAL WEIGHT (GSM)		500±20	550±20	550±20	600±20	700±20
COLOR		Yellow / Black / Green / Orange / Grey				
TENSILE STRENGTH (DIN53354)	WARP (N/5cm)	1000	1150	1800	2600	3100
	WEFT (N/5cm)	1200	1400	2000	2800	3800
TEARING STRENGTH (DIN53363)	WARP (N)	240	260	350	650	820
	WEFT (N)	320	350	400	700	960
WORKING TEMPERATURE		-30℃ ~ +80℃				
FLAME RETARDANT		NFPA701:2015, DIN 4102 B2				
INSIDE DIAMETER		200mm - 3200mm				
SECTION LENGTH		1m - 300m				
END FINISH		Zipper / Steel Ring / Velcro / Eyelets				
ANTI-STATIC		≤10 ⁸ Ω (if required)				

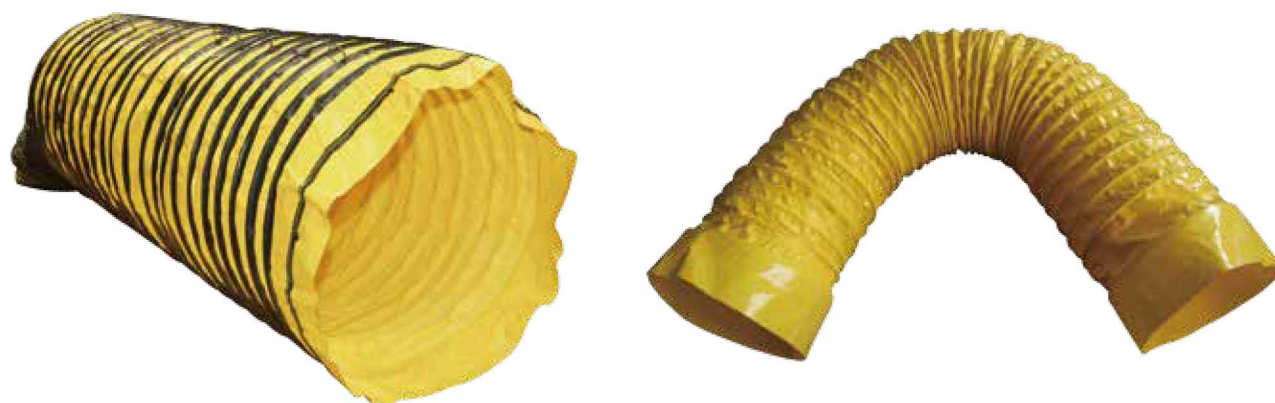
* We hereby state that the above data is only for reference, allowing 5% tolerance.

PRODUCT DETAILS





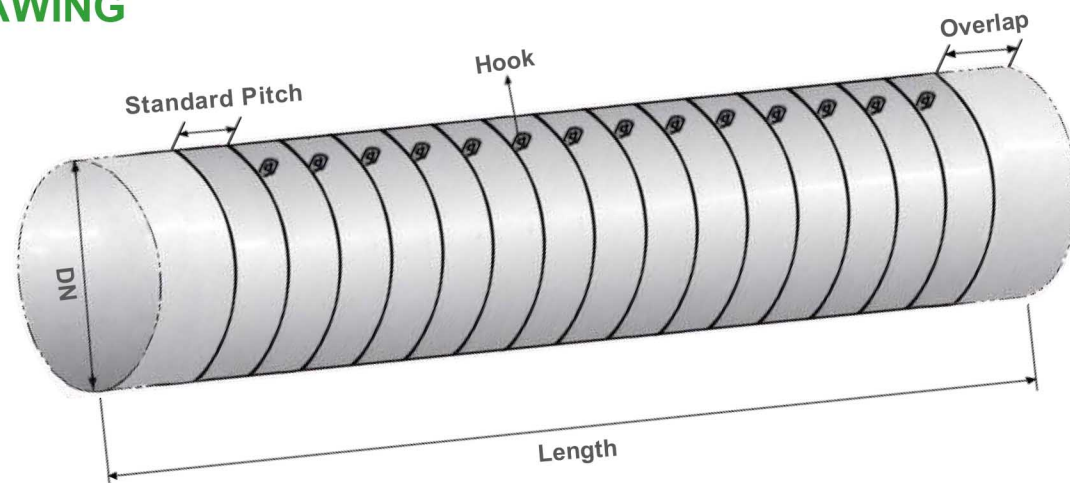
» SEMI RIGID VENTILATION DUCT



INTRODUCTION:

- Nylon fabric with both sides PVC coated, easy-installed, high-strength welded construction provides exceptional airflow performance.
- Spiral ventilation duct with spring steel wire ($\phi 5\text{mm}-\phi 10\text{mm}$) reinforced featured with wear protection and high pressure resistance.
- Diameter: 200 mm-2,500 mm (Custom diameter available).
- Standard Length: 1 m-20 m (Custom length available).
- End connection: zipper / Velcro/ steel ring.
- Antistatic fabric optional.

DRAWING



TECHNICAL PARAMETER

PVC FABRIC		SL-FPD-Ⅱ	SL-FPD-TⅢ	SL-FPD-TⅡ	SL-FPD-I	SL-FPD-TⅠ
THREADS & YARN		1000D×1000D	1000D×1000D	1300D×2000D	2000D×2000D	2000D×2000D
		9×9	9×9	9×9	9×9	12×12
TOTAL WEIGHT (GSM)		500±20	550±20	550±20	600±20	700±20
COLOR		Yellow / Black / Green / Orange / Grey				
TENSILE SRENGHT (DIN53354)	WARP (N/5cm)	1000	1150	1800	2600	3100
	WEFT (N/5cm)	1200	1400	2000	2800	3800
TEARING STRENGTH (DIN53363)	WARP (N)	240	260	350	650	820
	WEFT (N)	320	350	400	700	960
WORKING TEMPERATURE		-30℃ ~ +80℃				
FLAME RETARDANT		NFPA701:2015, DIN 4102 B2				
INSIDE DIAMETER		200mm - 2500mm				
SECTION LENGTH		1m - 20m				
STANDARD PITCH		75mm for exhausting, 100mm for blowing, 150mm for bend				
WIRE		Spring Steel Wire				
END FINISH		Zipper / Steel Ring / Velcro				
ANTI-STATIC		≤10 ⁸ Ω (if required)				

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PRODUCT DETAILS



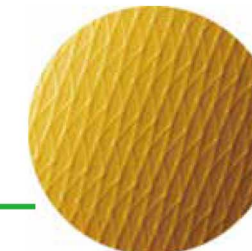
➤ Hook



➤ Zipper for Connection



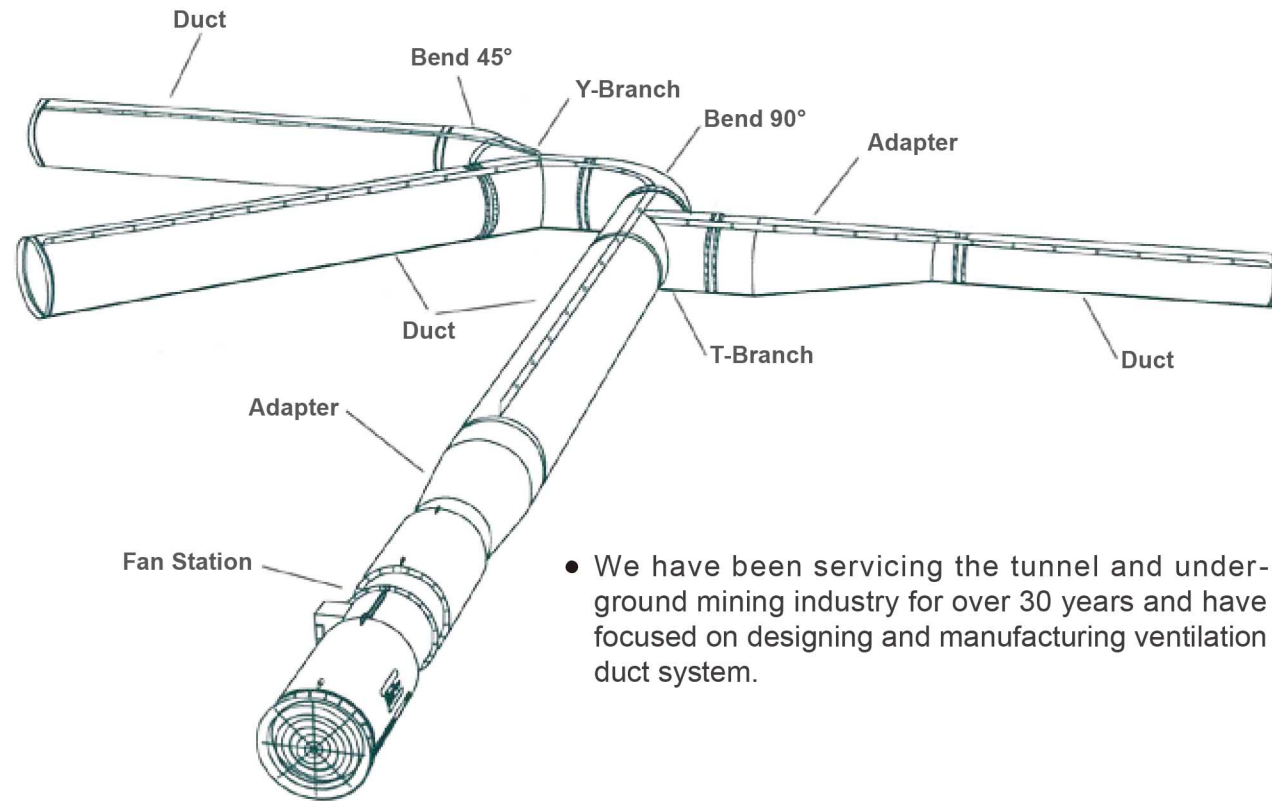
➤ Steel Wire Ring for Connection



➤ PVC Coated Fabric



» VENTILATION DUCT SYSTEM



- We have been servicing the tunnel and underground mining industry for over 30 years and have focused on designing and manufacturing ventilation duct system.

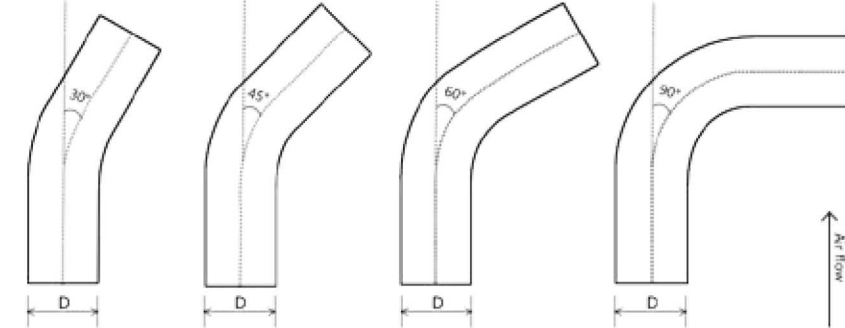


FITTINGS:

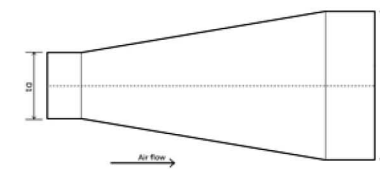
- We offer Bends, Branches, T-Branch, Y-Branch, Adapters and Nozzles in standard versions in all diameters, and also customise fitting on the basis of drawings.
- Steel Coupling: User-friendly steel coupling with steel ring welded in and Steel coupling on outside. Available with nut for tightening by machine.
- Snap Hook: Attaches straight onto the wire and eylet of suspension rib. Simple and quick to fit.

ACCESSORIES

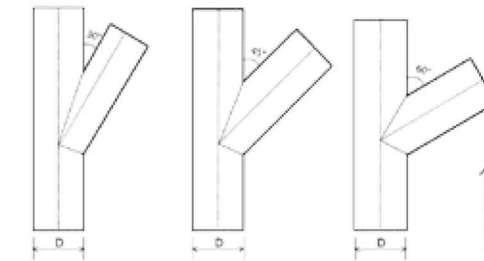
BEND



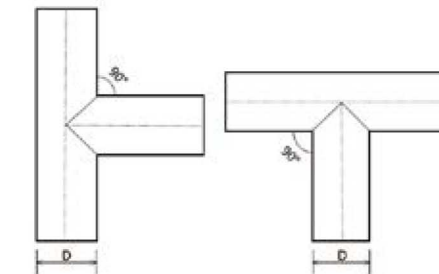
ADAPTER



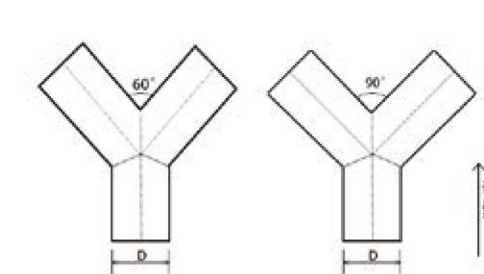
BRANCH



T-BRANCH



Y-BRANCH



COUPLINGS & HOOKS

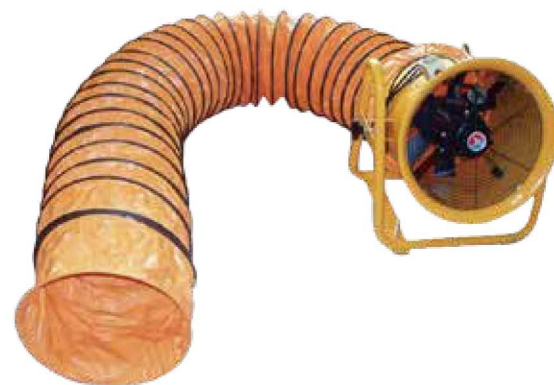




» INDUSTRIAL FLEXIBLE DUCT

INTRODUCTION:

- The framework of the flexible duct is supported by steel wire, and wrapped with rubber strips in the PVC fabric. One end is bunched with rope or belt, so as to connect the ventilator discretionarily. There is a metal ring every one meter to fix the flexible duct expediently. The flexible duct can be easily moved, turned and connected as the flexible structure and light weight. It is able to endure high temperature, acid, alkali, oleic acid, burning, insulating and aging resistant.



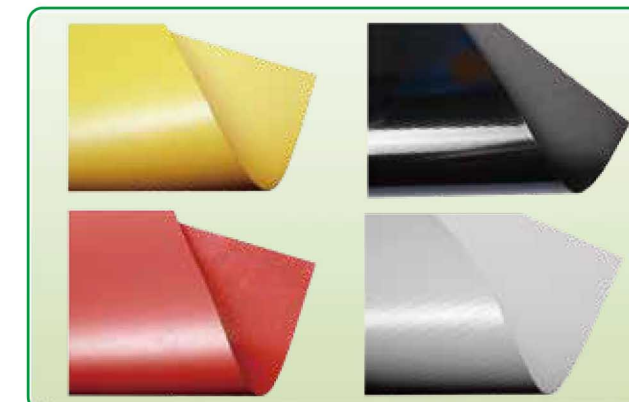
- With different kinds of ventilation equipment, the flexible duct has been extensively used for air supply and exhaust in tunnel and mine, petrochemical industry, plants and workshop, maintaining underground cable, engine room, crypt, tunnel municipal conduit engineering, machine shipbuilding engineering, fire fight rescue and other constuction in the bad air environment. Its also the best must-have for portable ventilator!



PACKING DETAILS

SPECIFICATION	5m					10m				
	φ200mm	φ250mm	φ300mm	φ350mm	φ400mm	φ200mm	φ250mm	φ300mm	φ350mm	φ400mm
Meas(cm)	25×25×25	30×30×20	34×34×22	40×40×23	45×45×23	25×25×30	30×30×36	34×34×34	40×40×38	45×45×35
N.W.	3.2kgs	4.5kgs	5.2kgs	6.0kgs	6.7kgs	5.6kgs	6.8kgs	9.0kgs	11.0kgs	13.1kgs
G.W	3.6kgs	5.0kgs	6.0kgs	6.8kgs	7.4kgs	6.0kgs	7.3kgs	9.7kgs	12.4kgs	15.0kgs

» PVC COATED FABRIC



TECHNICAL PARAMETER

PVC FABRIC		SL-FPD-Ⅲ	SL-FPD-Ⅱ	SL-FPD-TⅢ	SL-FPD-TⅡ	SL-FPD-Ⅰ	SL-FPD-TⅠ
THREADS & YARN		500D×840D 9×9	1000D×1000D 9×9	1000D×1000D 9×9	1300D×2000D 9×9	2000D×2000D 9×9	2000D×2000D 12×12
TOTAL WEIGHT (GSM)		420±20	500±20	550±20	550±20	600±20	700±20
COLOR		Yellow / Black / Green / Orange / Grey					
TENSILE SRENGHT (DIN53354)	WARP (N/5cm)	800	1000	1150	1800	2600	3100
	WEFT (N/5cm)	900	1200	1400	2000	2800	3800
TEARING STRENGTH (DIN53363)	WARP (N)	200	240	260	350	650	820
	WEFT (N)	260	320	350	400	700	960
WORKING TEMPERATURE		-30℃ ~ +80℃					
FLAME RETARDANT		NFPA701:2015, DIN 4102 B2					
ANTI-STATIC		≤10 ⁸ Ω (if required)					

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» FIBERGLASS REINFORCED DUCT

INTRODUCTION:

- Fiberglass reinforced duct is a flexible, interlocking duct solution for tunnel and mining application. It is constructed from filament wound fiberglass roving and reinforced with polyester fibers for added strength and resiliency. It can be flame retardant and anti-static, it is also highly resistant to attack from acidic, alkaline conditions or UV stabilized.

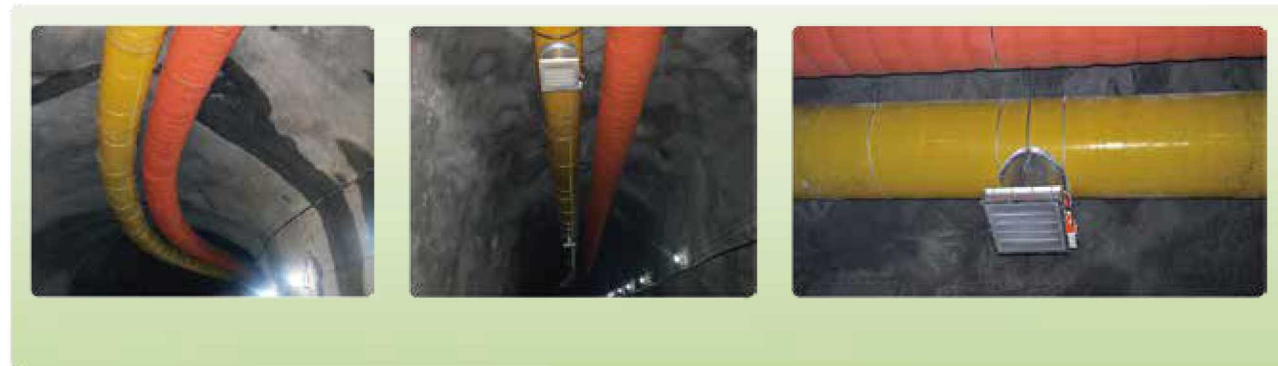
Our fiberglass duct is shipped disassembled for easier storage and installation.



- Fiberglass duct is available in round as standard also oval duct. Standard lengths are 1m, 2m or 3m, although any length is available within shipping limitations. Standard size diameter range from 300mm to 1800mm. It is as light as other plastic made duct and much lighter than comparable metal duct. The color can be yellow, blue, grey and black.

Sulong's interlocking duct solution makes repair and maintenance hassle-free which point of use shell replacement.

CONSTRUCTION PHOTOS

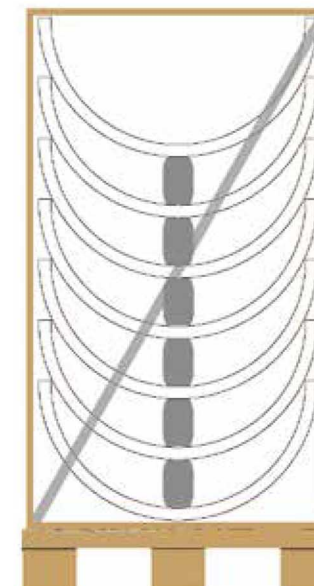


Wire-reinforced flexible coupling

- Wire-reinforced flexible coupling is constructed of premium PVC fabric to accommodate uneven tops and superior sealing to ensure minimal air loss.



Fiberglass duct ships disassembled for ease of transport and cost savings.



STANDARD ROUND SIZE

250 mm	300 mm	350 mm
400 mm	500 mm	600 mm
650 mm	700 mm	750 mm
900 mm	1,050 mm	1,200 mm
1,500 mm	1,600 mm	1,800 mm

STANDARD OVAL SIZE

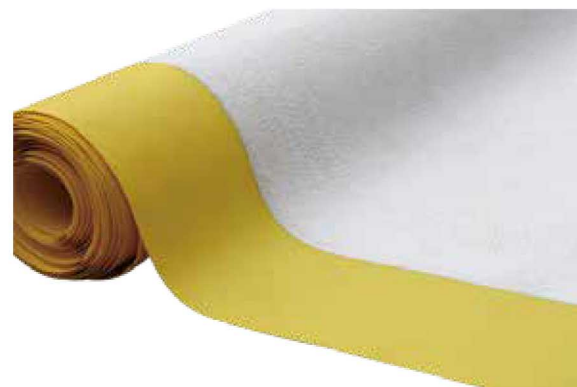
400 mm	450 mm	550 mm
600 mm	750 mm	900 mm
1,050 mm	1,150 mm	1,200 mm



» WATERPROOFING MEMBRANE

INTRODUCTION:

- PVC waterproofing membrane is a new polymer waterproofing membrane, which is made of high quality flexible (plasticized) polyvinyl-chloride. It has advantage of good elasticity, high ductility, little contraction ratio, good flexibility under low temperature, anti-aging and long service life etc.



- EVA waterproofing membrane has Homogeneous section and takes PE, EVA etc. synthetic material as the main material, composite fabric as protection layer and having the Homogeneous section to change the stability of dimension and mechanical properties.



APPLICATIONS:

- All kinds of roofs, such as steel structure roof, planted roof etc;
- Underground engineering, such as building basement, subways, tunnels, air raid shelter, etc;
- Other projects like artificial lake, dam, water reservoir, grain storehouse, etc;

FEATURES:

- Excellent aging resistance. Service life of roofing material is over 20 years; service life of underground material is over 50 years.
- Root resistant penetration, specially used on planting roof.
- Welding installation. Joints are solid and environment friendly, no pollution.
- High tensile strength, good elongation and dimensional stability.
- Good plasticity, easy and suitable for details installation.
- Fireproof. Fire extinguished out of the ignition resource.
- Surface is smooth, no fading and dirty resistant.

TECHNICAL PARAMETER

ITEM	SPECIFICATION
LENGTH	20m / roll or customized
WIDTH	2m, 3m
THICKNESS	1.2mm; 1.5mm; 2.0mm
TYPE	Homogeneous, Reinforced, Fabric back
IF EXPOSED	Exposed and Non-exposed
COLOR	White, Grey, Black, Yellow

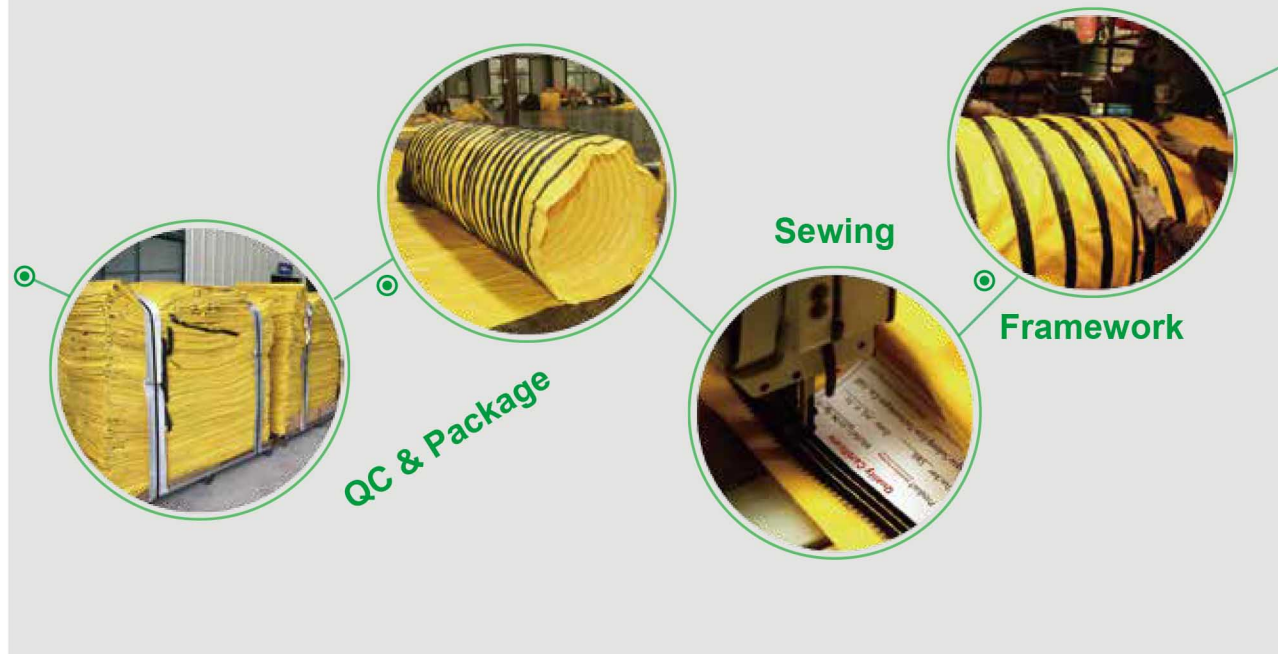
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CONSTRUCTION PHOTOS:

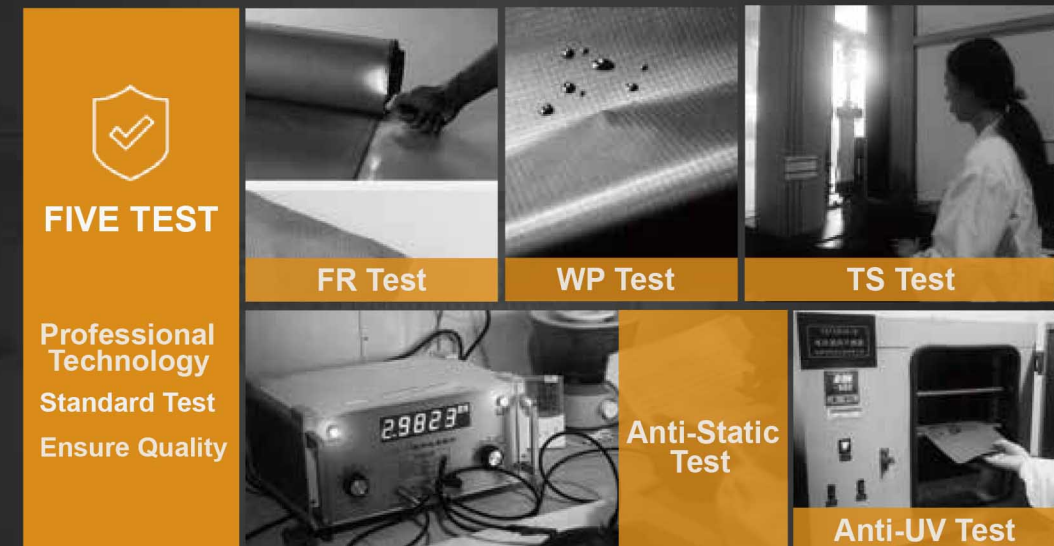




MAKE YOUR HIGH-FLOW VENTILATION DUCT

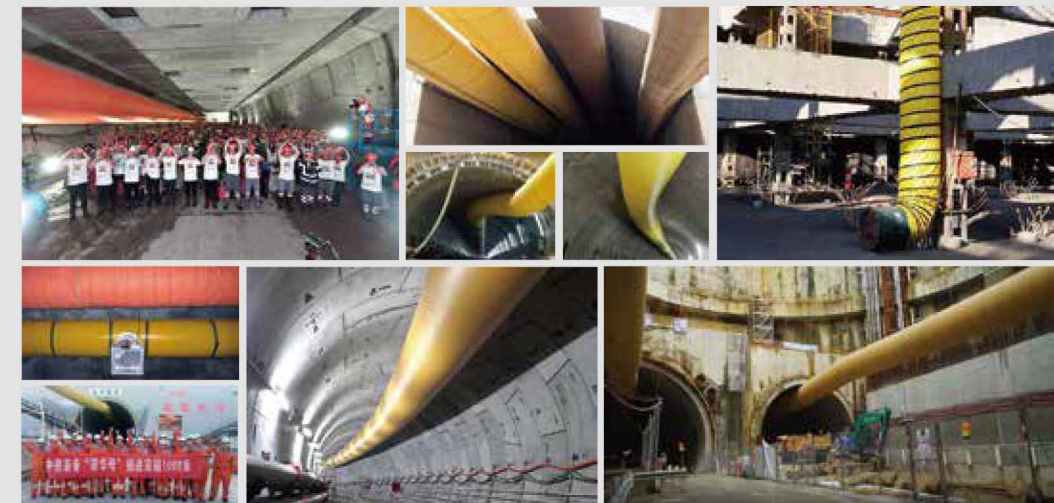


EVERY DUCT MATERIAL IS TESTED SERIOUSLY



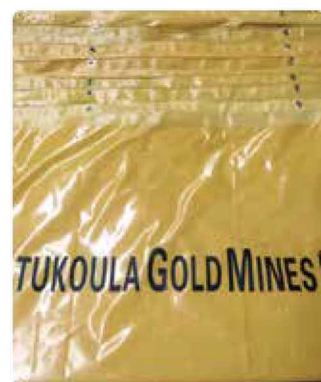
PROJECT DISPLAY

Over 10-years development, we are based on Chinese marketing and accept international challenge. By now, we have supplier plug-in products for Three Gorges Hydroelectric Power Station, Ventilation ducting for Hong Kong -Zhuhai-Macao Bridge. Also, we are qualified suppliers to SINOHYDRO Corporation Limited, CRCC, CWE, China National Coal Group Corp., CRBC and CGGC etc. For overseas, our products are used more than 20 countries and areas.





» PRODUCTION LINE



» CERTIFICATES

