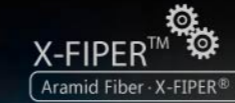


SRO Aramid (Jiangsu)Co.,Ltd.



High-Tech Product Broad Application



Filter bag



Ideal filter material



Ideal protective material

Hong Kong

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Guangzhou

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Zip: 511442



>>>>>

Focus on Aramid Focus for You

>> SRO is committed to provide high-tech and high performance materials and products to the world. It has a wide range of products and services cover a broad spectrum of industry including the safety protection for the industrial and personal usage. Its products and services have been used in the electrical power industry, high temperature filtration industry, as well as printed circuit, transportation and protective clothing industry. SRO has its head office in Hong Kong while the productions, R&D and sales and marketing capabilities spread around areas including Shanghai, Guangzhou, and Suzhou.

>> X-FIPER® meta-aramid fiber has been used in factories such as the cement plants, asphalt mixing plants, iron and steel smelting factories, nonferrous metals and also other high-temperature filtration factories in order to provide a high quality solutions to its clients.

Fill up **40** years' technology gap of China

>>>>>

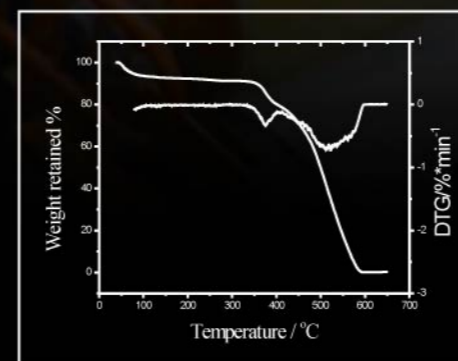
Focus on Aramid Focus for You

X-FIPER® Aramid Fiber

>> Basic Product Information

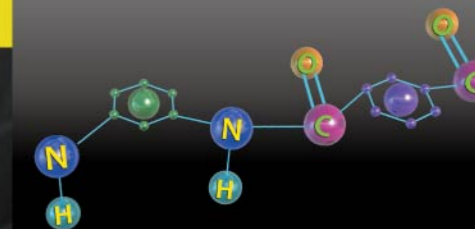
- X-FIPER® fiber is a registered trademark of meta-aramid 1313 fiber invented and manufactured by SRO. It has flame resistant, self extinguish nature along with non-melt drop characteristic. Its high performance in thermal stability and low contraction performance along with the high resistance to breakage make it the perfect fiber for its broad application use including high temperature hot gas filtration, protective apparels, and electrical insulation papers.
- X-FIPER® meta aramid fiber is a class of heat-resistant synthetic fibers. Its formal chemical name is aromatic polyamide. This type of fiber's chemical structure is extremely stable. Its flame resistant, self-extinguish nature and non-melt drop characteristic along with its high resistance toward weak acid, weak alkali and the majority of organic solvents make it widely use in many industry and in broad application.

>> Meta-Aramid Fiber TG Graph



Meta-Aramid Fiber

- Nontoxic and flame retardant
- High temperature resistant
- Chemical stability



>> Main technical parameters

Item	Unit	Value
Density	g/cm ³	1.37-1.38
Strength	cN/dtex	>3.5
Elongation	%	25-60
Initial modulus	g/D	30-70
Limited oxygen index	%	28±2
Glass transition temperature	°C	270
Melting point	°C	400
Temperature under long period of time	°C	204
Temperature under short period of time	°C	240
Combustion	Carbon-free droplet, flame retardant, self-extinguishing	



X-FIPER®

Aramid Fiber · X-FIPER®

Non-toxicity and flame retardant ○

Thermal stability ○

Temperature Resistant ○

Mechanical strength ○

Chemical compatibility ○

Other characters ○

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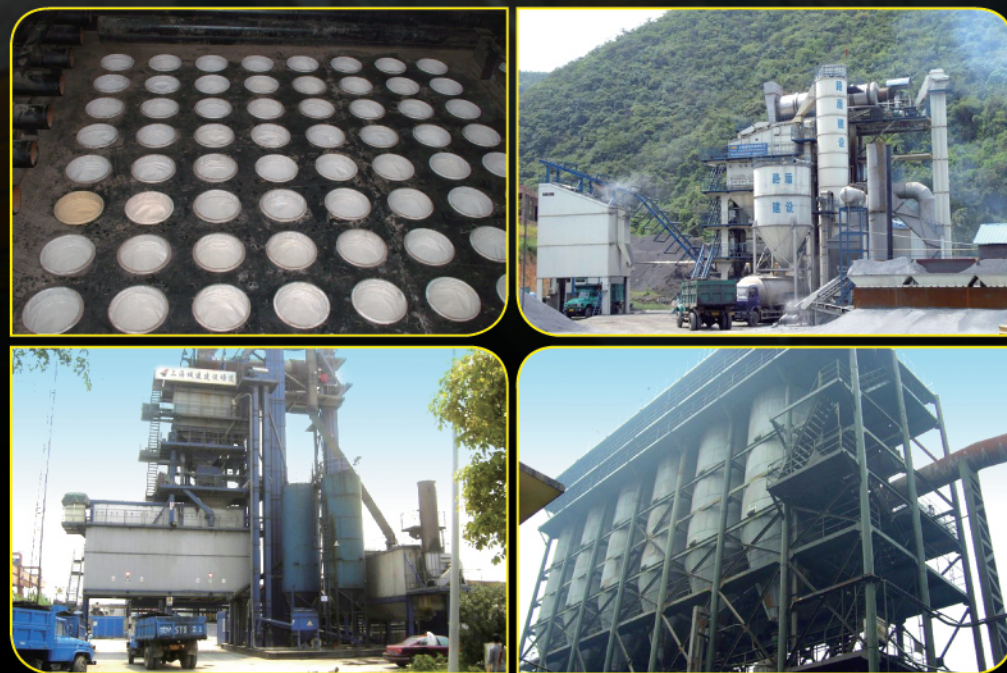
Focus on Aramid Focus for You

Application

>> X-FIPER® meta-Aramid fiber could be processed into different applications and different forms such as woven fabrics, knitted fabrics, non-woven type products, insulation paper, rope, etc.

High Temperature Filtration Application High Temperature Filtration · X-FIPER®

X-FIPER® meta-Aramid fiber and its variety of processed composite material can be used in the industries such as cement, steel, non ferrous metal smelting, asphalt mixing, lime kiln and other industry that requires high temperature resistance.



Protective Clothing Application Protective Clothing · X-FIPER®

X-FIPER® meta-aramid fiber and its finished fabric have been used to produce different type of garments for a wide range of application. Its different type of fabric combination has been used to make firefighting uniforms, rescue uniforms, infrared camouflage clothing, flame-retardant and antistatic clothing, anti-arc clothing and also other special areas of smelting clothing.





X-FIPER®

Aramid Fiber · X-FIPER®

- Non-toxicity and flame retardant ○
- Mechanical strength ○
- Thermal stability ○
- Chemical compatibility ○
- Temperature Resistant ○
- Other characters ○



Application in Electrical Insulation

Electrical Insulation · X-FIPER®

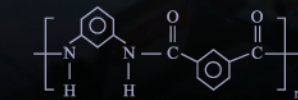
X-FIPER® meta-aramid processed paper form could be widely in transformers, reactors, motors and other F-class, H-class and C-class insulation field.



Composite Application

Composite Application · X-FIPER®

The composite materials made from X-FIPER® meta-aramid fiber have been used in a broad area including in friction materials, sealing materials and high temperature rubber materials industry.



Meta-aramid Fiber · X-FIPER®



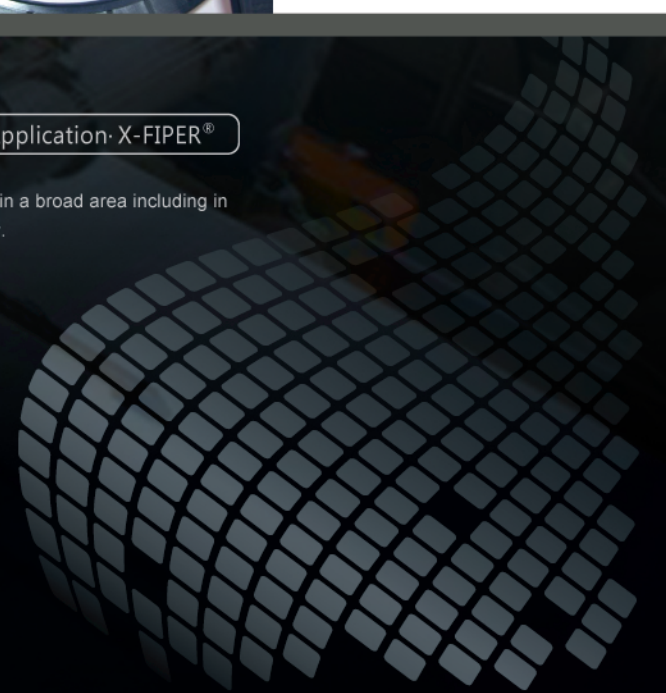
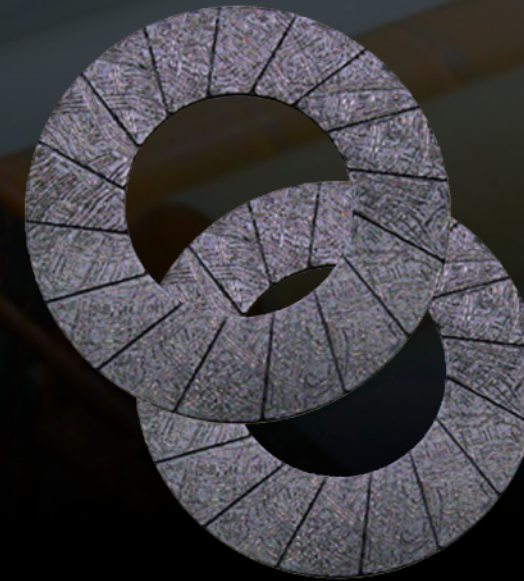
Transformer insulation material



Motor applied material



Electric insulating material





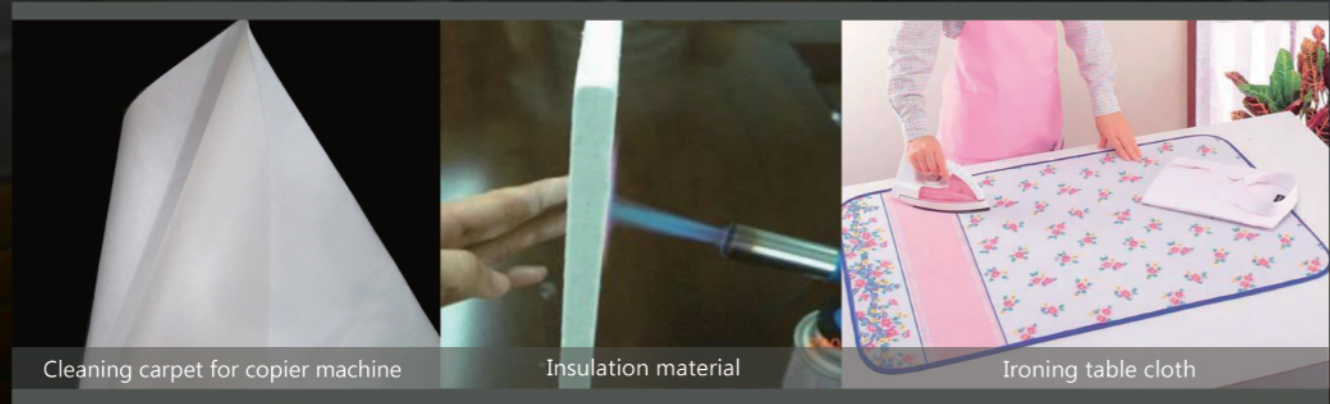
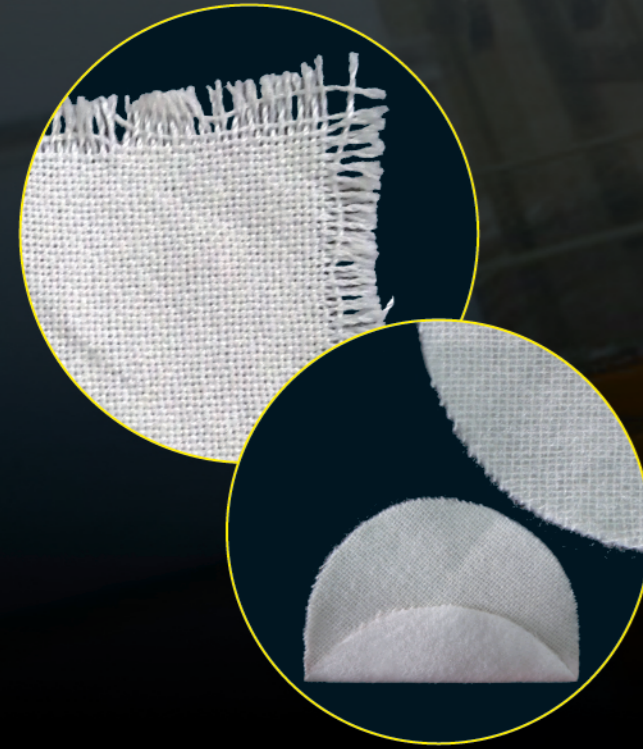
X-FIPER®

Aramid Fiber · X-FIPER®

- Non-toxicity and flame retardant ○
- Mechanical strength ○
- Thermal stability ○
- Chemical compatibility ○
- Temperature Resistant ○
- Other characters ○

Application in Other Area Application in Other Area · X-FIPER®

X-FIPER® meta-aramid fiber has also been used in many other areas, such as high temperature conveyor belt blanket, ironing table cloths, cleaning carpet for copier machine, wallpaper, insulation blankets and etc.



Cleaning carpet for copier machine

Insulation material

Ironing table cloth

Typical Case– Filtration Material Introduced Aramid Fiber · X-FIPER®

X-FIPER® meta-aramid fiber and yarn have been widely used in the filtration industry for our domestic and foreign manufacturers. Our products could also be seen in asphalt mixing plants or cement industry, steel plants or non-ferrous metal smelting industry. X-FIPER® meta-aramid fiber has outstanding color appearance, high strength stability and high heat resistance. These characteristic ensure the stability in X-FIPER® product performance. Moreover, X-FIPER® meta-aramid fiber has excellent spinning ability in whether acupuncture fabric surface or yarn processing. Regardless of seasonal or geographical changes, X-FIPER® products can maintain excellent condition, making our clients' production line continue to perform in a stable and efficient operation.



Filter felt

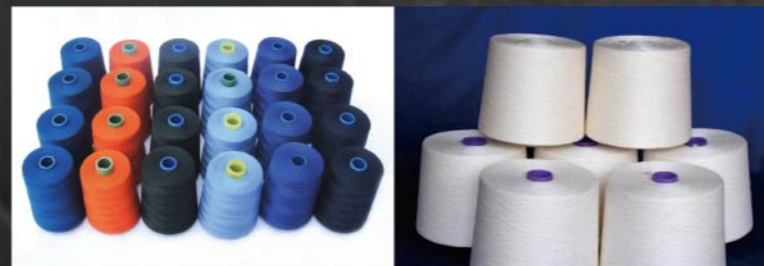
Asphalt mixing plant

Cement industry



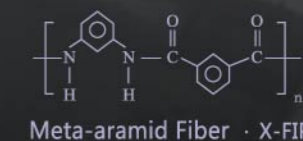
Aramid Fiber · X-FIPER®

- Non-toxicity and flame retardant
- Mechanical strength
- Thermal stability
- Chemical compatibility
- Temperature Resistant
- Other characters



Qualification and Certification Aramid Fiber · X-FIPER®

Due to X-FIPER® products' unique characteristic and its technical innovation, SRO has achieved many awards & recognition from the national and provincial government. Efficient quality control and comprehensive testing procedure have ensured the stability in SRO products which in turn contribute to the protection of environment and energy saving.



Recommendation Table for Application Aramid Fiber · X-FIPER®

SRO is able to provide natural color and dope dyed color X-FIPER® meta-aramid fiber and its derivatives. Based on application for different industry, you can refer to the following chart to pick the corresponding products for your field of industry.

Industry	1D*38	1.5D*4	1.5D*38	1.5D*51	2D*51	2D*60	2D*65	2D*76	5D*76
Steel				•	•	•	•	•	
Cement			•	•	•	•	•	•	
Asphalt mixing			•	•	•	•	•	•	
Ferrous metallurgy			•	•	•	•	•	•	
Water Filtration		•							
Industrial carpet					•				•
Transmission belt		•							
Garment	•		•	•	•				
Electronics				•					
Sealing		•							

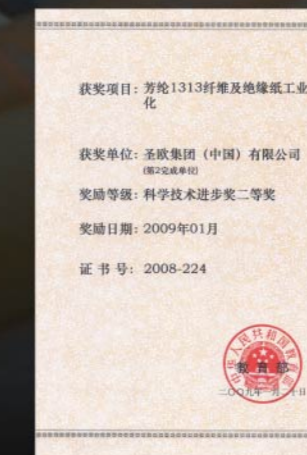
Product Category Aramid Fiber · X-FIPER®

Please refer to the following table for standard product list. Please note that all of these colored fiber and yarn are dope dyed color. In order to ensure that all of SRO fiber and yarn has top quality color fastness, thus we only provide dope dyed products and do not provide after dyed color fiber and yarn.

	Density	Length/mm	Color	Remarks
Fiber	1.0	38	natural white, Black, Navy, Royal blue, Orange, Army green etc.	We provide different linear density, length and color combination fiber according to the customer's need
	1.5	38/51		
	2.0	38/51/60/65/76/102		
	3.0	76	natural white,	
Yarn	5.0	76	natural white,	We provide different linear density, length and color combination fiber according to the customer's need
	count	Ply	Color	
	12	1	natural white,	
	20	1/2/3	Black, Navy,	
	23	2	Royal blue,	
	42	2	Orange, Army	
	36	2	green etc.	



The State Council of People's Republic of China: National Science and Technology Progress award – 2nd Prize



China National Education Board: National Science and Technology Progress award – 2nd Prize



MSDS Report



REACH Test Report