

Highly sophisticated products Various applications



Structural material for Aircrafts



Structural material for high-speed trains



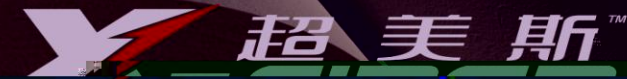
Improve thermal resistance for electrical products

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Technology Leading the Future

SRO GROUP (CHINA) LIMITED

>> SRO Group (China) Ltd. is a high technology professional company manufactures X-FIPER™ insulation paper and meta-aramid fibers along with its derivatives. It focuses on the creation and development of new materials as well as the new application development of these new materials. It has its headquartered in Hong kong while productions, research and development bases, sales and marketing capabilities spread around areas including Shanghai, Guangzhou, Wuxi, and Suzhou.

>> SRO Group owes many patent related to new materials invention. We have won the 2nd Prize in the National Science & Technology Progress Award from China National Education Board in 2008, second prize from Chinese Ministry of Education advance in technology in the same year, as well as First Prize from China National Textile & Apparel Council (CNTAC) in 2009.
>> SRO Group is the first company in China which industrialized the production of insulation paper, and it is also the second company in the world which has the ability to industrialize the production of insulation paper.
>> SRO Group has major breakthroughs in aramid honeycomb application in aeronautical, high speed train and ship making etc.

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Technology Leading the Future

Outstanding advantages of X-FIPER™ aramid paper

>> Dielectric strength

Calendered X-FIPER™ paper has good dielectric strength, high mechanical strength, can improve the products' dielectric strength when further varnish or resin treated.

>> Mechanical strength

Calendered X-FIPER™ paper is smooth with good wear resistance, high tensile strength and tear strength, easy to shape and further process.

>> Thermal stability

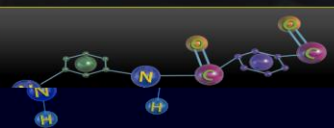
Thermal stability property is inherent property of X-FIPER™ paper will keep unchanged under the environment temperature lower than 200℃. It's been tested that conductivity of the X-FIPER™

>> Chemical compatibility

meta-aramid paper fibers contain imide at most of common solvents, acids, alkali, ketone, mellow and corrosive environment. They are compatible with all types of varnish, adhesive, resin, barbed cable and other products.

Meta-Aramid Fiber

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



>> Aramid paper composition



Fill up 40% aramid technology gap of China

X-FIPER™ aramid insulation paper mass production in Mar. 16, 2007.



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

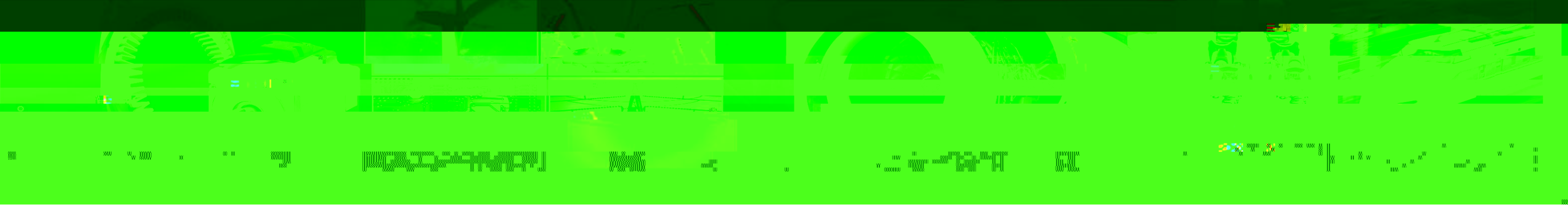
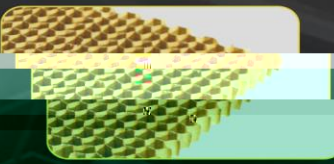
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Technology Leading the Future
Application

Electrical Insulation Application... **Electrical Insulation - X-FIPER™**

X-FIPER™ aramid paper and its other derivative products can be widely used in transformers, motors and other electrical devices in product mechanical insulation. Also used for high temperature resistive application, such as PCB.

For aramid honeycomb application... **Aramid Honeycomb - X-FIPER™**

Honeycomb core made from X-FIPER™ aramid paper can be widely used to make insulation, high speed train and...
Supports great fields





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

High-temperature resistant aramid insulation paper



Product Overview

Product Features



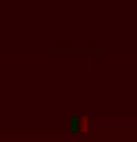
Product Parameters



Product Applications



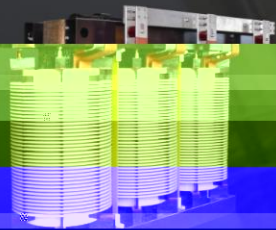
Product Certifications



Product Test Results



High-temperature resistant aramid insulation paper



X-FIPER™ 630

High-temperature resistant aramid insulation paper

Product description

X-FIPER™ 630 meta-aramid paper, get UL94 approval; 2mil, 3mil, 5mil are ready. More products with different thickness are coming to serve electric power industry.

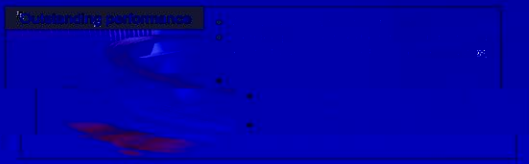
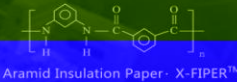
Product features

- > Outstanding electrical insulation
- > Mechanical protection from punching, tearing and wearing
- > Varnish compatibility
- > Moisture resistant and good heat conductivity
- > Outstanding

Datasheet Aramid Insulation Paper · X-FIPER™

X-FIPER™ 630

Nominal thickness	mil	2 3 5 7				Test standards
		0.05	0.05	0.13	0.18	
Typical thickness	mm	2.2	3.1	5.2	7.2	ASTM D374
	mm	0.06	0.08	0.13	0.18	
Basic weight	g/m ²	41	63	116	175	ASTM D646
Density	g/cc	0.71	0.81	0.87	0.96	
MD tensile strength	N/cm	35	52	128	185	ASTM D828
CD tensile strength	N/cm	15	20	45	95	
MD elongation	%	5.5	5.5	8.5	10	



Typical application



High-temperature resistant aramid insulation paper

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X-FIPER™ 611

High-temperature resistant aramid insulation paper

Product description

Product features

Datasheet Aramid Insulation Paper · X-FIPER™

X-FIPER™ 611

Norminal Thickness	mil mm	5 0.13	7 0.18	10 0.25	15 0.38	23 0.58	Test standards
Typical thickness	mil mm	5.5 0.14	8.1 0.2	10.2 0.26	16.8 0.43	26 0.66	ASTM D374
Basic weight	g/m ²	42	57	82	134	205	ASTM D646
Density	g/cc	0.3	0.31	0.31	0.31	0.31	

MD tensile 

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611

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