

濮阳市汇通科技有限公司

PuYang HuiTong Science and Technology Co.,Ltd

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Focus on micro fiberglass production

AGM Separator 1 Filter 1 Thermal Insulation



Puyang Huitong Science and Technology Co.,Ltd www.htfiberglass.com



Plant Layout



The base has established several glass fiber cotton production lines with an annual output of 26,000 tons.

Why Choose HuiTong?

1. Raw Material Advantage

HuiTong has established its own production bases for the raw materials, including ultra-fine fiberglass cotton and high-alkali glass blocks, in order to ensure stable quality and a secure supply capacity.

2.Rich Experience

HuiTong team has more than 30 years of experience in the research and development and production of glass fiber materials. Over 60% of VRLA battery manufacturers in China use HuiTong's AGM separator.

3. Environmental Protection, Energy Saving & Sustainable

The company assembles intelligent and efficient production equipment, which is energy-saving and environmentally friendly. It possesses "full product chain recyclable technology" to achieve true environmental friendliness and enable recycling and regeneration.





The base has established high-alkali glass block production line used for glass fiber cotton, with an annual output of 30,000 tons.

Shanxi Production Base

Huitong Science & TechnologyHeadquarters

Beijing

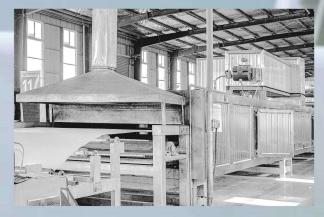
Inner Mongolia

Production Base

AGM separator, pasting paper and VIP core material – annual output of 24,000 tons, Glass fiber air filter paper –annual output of 4,000 tons.





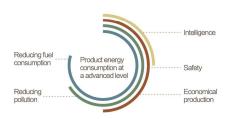






Plant Environment









Our company adopts the flame-blowing process to produce glass fiber cotton. The average diameter of the glass fiber produced by this process can be controlled between 0.10µm and 3.5µm. This kind of glass fiber cotton with small fiber diameter is commonly used as the materials for heat insulation, sound insulation, filtration, insulating separator and the other. The finished products which contain our glass fiber cotton have the characteristics of suppleness, lower thermal conductivity, good sound insulation effect, excellent acid absorption, good insulation, etc.

The Company has set up several of glass fiber cotton production lines in Shanxi and Inner Mongolia, with an annual output of more than 20,000 tons. In order to ensure the stability and consistency of chemical properties of glass fiber cotton, we set up the high-alkali glass block production line used for glass fiber cotton, with an annual output of 30,000 tons, and placed the production line in the front of the industry chain. According to different fields, we can customize various types of micro glass fiber cotton to meet the needs for production of the end products.

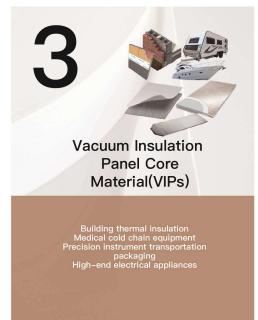
Products Center













2 Air Filter Paper

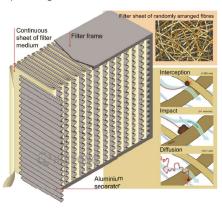
Micro glass fiber air filter paper is produced by applying the wet process. The product is a combination of glass fiber and resin which can provide specific filtration performance and physical characteristics. The micro glass fiber filter paper can provide very high surface area "matrix" for capturing pollutants and other particles, while allowing high air permeability. The fiber size can be varied to meet the filtration need of specific applications.

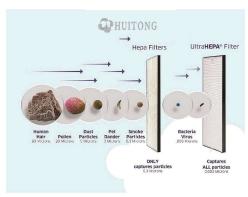




Product Advantages

High uniformity and filtration performance, high dust absorption, good antibacterial performance, high flux and air permeability, and capable coping with all sorts of pleating.







HEPA

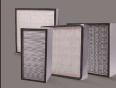
Filtration Effect	Technical Data	Thickness (mm/100KPa)	Basis Weight (g/m2)	MD Tensile Strength (KN/m)	CD Tensile Strength (KN/m)	MD Stiffness (mg)	Efficiency (%) 0.3µm	Resistance (Pa) 5.3cm/s	Water Repellency (mmH ₂ O)
Sub-HEPA	H10(E10)	0.33±0.02	76±4	≥ 1.0	≥ 0.5	≥ 1100	≥ 94	≤ 110	≥ 500
	H11(E11)						≥ 98	≤ 160	≥ 500
НЕРА	H12(E12)						≥ 99.8	≤ 230	≥ 550
	H13						≥ 99.95	≤ 290	≥ 550
	H14						≥ 99.995	≤ 360	≥ 550

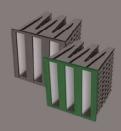
ULPA

Filtration Effect	Technical Data	Thickness (mm/100KPa)	Basis Weight (g/m2)	MD Tensile Strength (KN/m)	CD Tensile Strength (KN/m)	MD Stiffness (mg)	Efficiency (%) 0.16µm	Resistance (Pa) 5.33cm/s	Water Repellency (mmH2O)
ULPA	U15	0.35±0.02	76±4	≥ 1.0	≥ 0.5	≥ 1100	≥ 99.9995	≤ 420	≥ 550







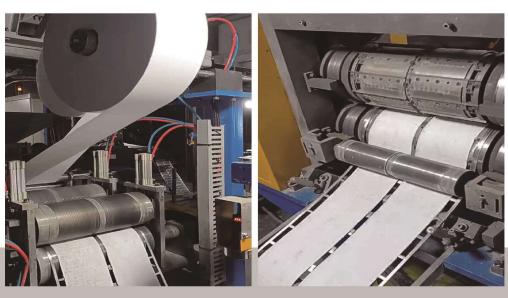




1.2

Pasting Paper (Plate backing paper)

Pasting paper, also known as plate backing paper, is used in the continuous casting and coating process.



Mutual effect

Pasting paper can improve the electrolytic stratification resistance and electrolyte filling efficiency.

Improving performance

Pasting paper can optimize the cycling without disturbing other polar plates in the battery assembly. In addition, it can be helpful to high-speed discharge.

Lighter weight

Pasting paper will not remarkably increase the thickness or weight of the assemblies.

High adhesion

Pasting paper has pores and reacts well to lead-acid paste, ensuring lasting adhesion between appropriate materials.



Pasting paper

Item	Unit	Standard	Results	
Raw material composition		Micro-fiberglass	Micro-fiberglass	
Thickness	mm	0.25±0.03mm	0.24	
Width	mm	Customized size±1mm	136	
Guantitative / Grammage	g/m2	39±4	42.4	
Dry MD Tensile strength	KN/M	≥0.50	0.53	
Air permeability	Cm3/cm2.min	≥9000	10424	
Moisture	%	<1	0.32	
Iron contain	%	≤0.0040	0.0029	
Chlorine concentration	%	≤0.0030	0.00397	
Solubility		No	No	



Composite Filter Paper

Glass fiber composite filter paper is made from ultra-fine glass fibers as raw materials using a wet process. It is formed by combining ultra-fine glass fiber paper with non-woven fabric. The composite non-woven fabric serves the purpose of protecting the core material of the glass fiber paper, and it can be applied on one or both sides. The product is characterized by high dirt-holding capacity, low resistance, high strength, and stable performance.



Working principle:

Because of the nanoscale fineness of the ultra–fine glass fibers, the fibers are fused with impregnated cellulose and polyester resin, forming a paper–like mesh with a mi–cro–porous structure. When the liquid to be treated passes through the surface non–woven fabric and reaches the ultra–fine glass fiber paper, impurities and nanoscale particles in the liquid are trapped by the non–woven fabric layer and the network–like structure of the ultra–fine glass fibers, resulting in a clean liquid product. Ultra–fine glass fiber composite filter paper is mainly used for the filtration of high–grade aviation oil, hydraulic oil, heavy oil, water in nuclear power plants, compressor oil, and other liquids. It effectively removes impurities from the liquid, resulting in purified liquid.



Model	Filtering accuracy	Thickness	Basis weight	Tensile strength	MFP pore size	Air permeability	Resistance	Efficiency
	(µm)	(mm)	(g/m²)	(kg/15mm)	(µm)	(1/m².s@200Pa)	(Pa@5.3cm/s)	0.3µm@5.3cm/s
HTD1	1				1–2	-	≤550	≥99.999
HTD3	3				2–3	-	≤460	≥99.995
HTD5	5				4–6	-	≤200	≥99
HTD10	10				8–12	≥200	≤55	≥70
HTD15	15	0.50±0.1	140±10	≥2.5	13–17	≥310	≤45	≥55
HTD20	20				18-22	≥430	≤35	≥45
HTD25	25				23–27	≥580	-	-
HTD30	30				26-32	≥750	-	-
HTD35	35				33–38	≥900	-	-

Note: Double sided composite filter paper





Management System Certification













