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Jiangsu Garland

Environmental Technology Co., Ltd.



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Having a comprehensive and professional air handling solution
Mastering core technologies and staying at the forefront of the world
Leading enterprise in domestic air filter materials





Intelligent
Manufacturer
Of
One-stop Solutions
For
Air Treatment



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About Garland

Jiangsu Garland Environmental technology Co., Ltd. founded in 2021, is located at No. 19, Xiyuan Road, Changjing Industrial Park, Jiangyin, with a project investment of 100 million RMB. It is a technology-based enterprise specializing in the research and development, production, sales, and service of filter materials. The company has been focusing on the environmental purification filter material industry for more than 5 years, with a first-class research and development team, advanced testing and experimental equipment, and established an effective quality management system for operation.

In recent years, the company has continuously increased investment in scientific research and actively carried out the integration of industry, academia, and research with research institutes and higher education institutions. We have achieved fruitful results in the treatment of solid pollutants, gaseous pollutants, microbial pollutants, and other pollutants. Garland has comprehensive and professional air treatment solutions in the industry, masters core technologies, and is at the forefront of the world. It has now become a leading enterprise in domestic air filter materials.

5

5 years experience in environmental protection purification filter material industry

1

One-stop solution for air treatment

100

Located in the 100-kilometer economic radiation circle of Shanghai

10⁺

Senior engineer team of more than 10 people

36

Products all over the country

1

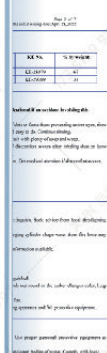
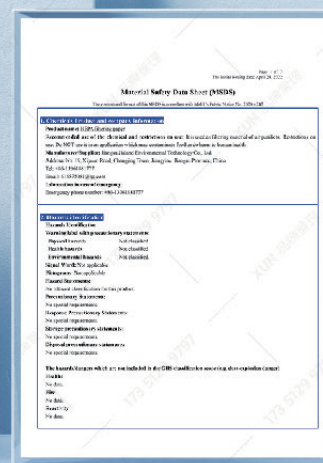
Pre-sale, in-sale and after-sale one-stop service



Qualification Certificate

Honor comes from hard work.

Every recognized qualification certificate is the crystallization of our hard work, and every honor is a roadmap and a journey. We will also take every honor as the starting point, constantly forge ahead and surpass ourselves.

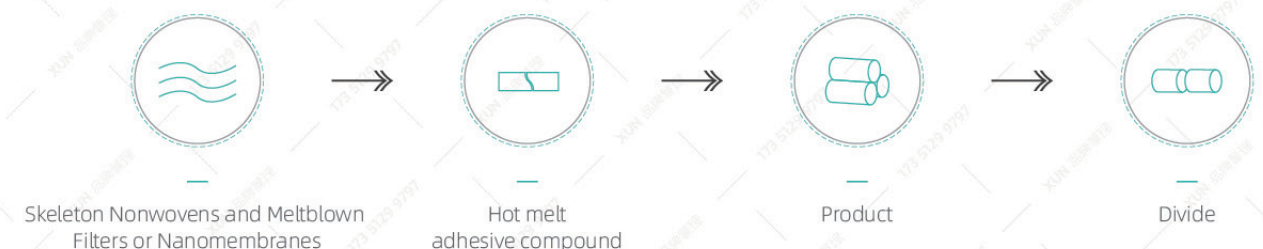


Product Process

MELT BLOWN FILTER MATERIAL



HEPA HIGH-EFFICIENCY AIR FILTER MATERIAL



A leading enterprise in the domestic air filter material industry



Clean workshop PTFE efficient composite



PRODUCT DESCRIPTION

MATERIAL: Tetrafluoroethylene PET skeleton+PTFE

RECOMMENDED APPLICATION: High-efficiency air cleaner

PRODUCT SPECIFICATIONS

Model	Filtration Efficiency	Standard Wind Resistance	Standard Weight	Average Resistance	Test Equipment
GB-H11	95%	< 40Pa	120g/m ²	± < 5Pa	32L/min.dm ²
GB-H12	99.5%	< 70Pa	120g/m ²	± < 5Pa	Test Medium
GB-H13	99.95%	< 100Pa	120g/m ²	± < 10Pa	0.3μm NaCl
GB-H14	99.995%	< 150Pa	120g/m ²	± < 10Pa	TSI 8130
GB-U15	99.9995%	< 200Pa	120g/m ²	± < 10Pa	0.1μm

Activated carbon composite filter paper

- car
- Home use

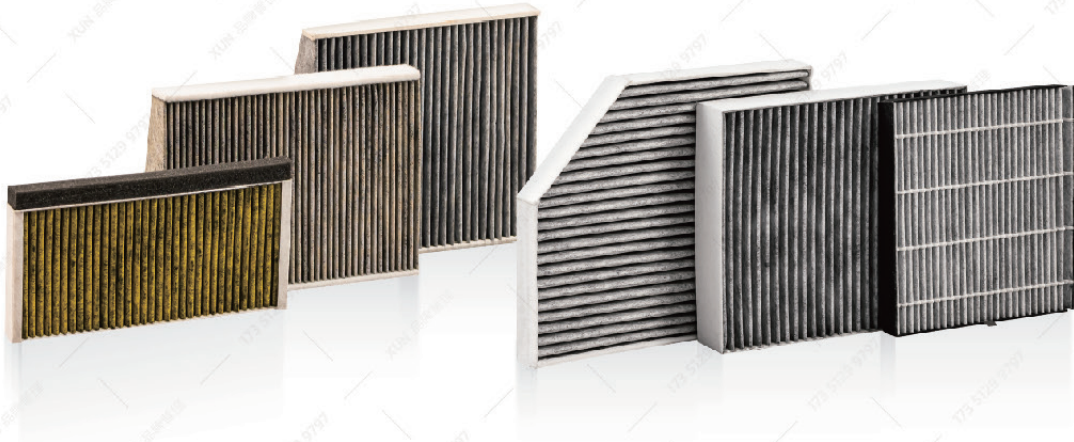


PRODUCT DESCRIPTION

MATERIAL: PET skeleton+activated carbon+PP melt blown

FUNCTION: Remove formaldehyde, Escherichia coli, and Staphylococcus aureus

RECOMMENDED APPLICATIONS: Air purifier filters, fresh air system filters, HVAC filters, automotive air conditioning filters, vacuum cleaner filters



PRODUCT SPECIFICATIONS

Model	Filtration Efficiency	Standard Wind Resistance	Standard Weight	Average Resistance	Test Equipment
GB-F8	80%	< 12Pa	customize	± < 2Pa	TSI 8130
GB-F9	90%	< 16Pa	customize	± < 2Pa	Test Traffic
GB-H11	95%	< 20Pa	customize	± < 2Pa	32L/min.dm²
GB-H12	99.5%	< 30Pa	customize	± < 2Pa	Test Medium
GB-H13	99.95%	< 35Pa	customize	± < 2Pa	0.3µm NaCl

Special skeleton fabric

- Formaldehyde removal
- Remove odor
- Dehydrogenation
- Catalysis

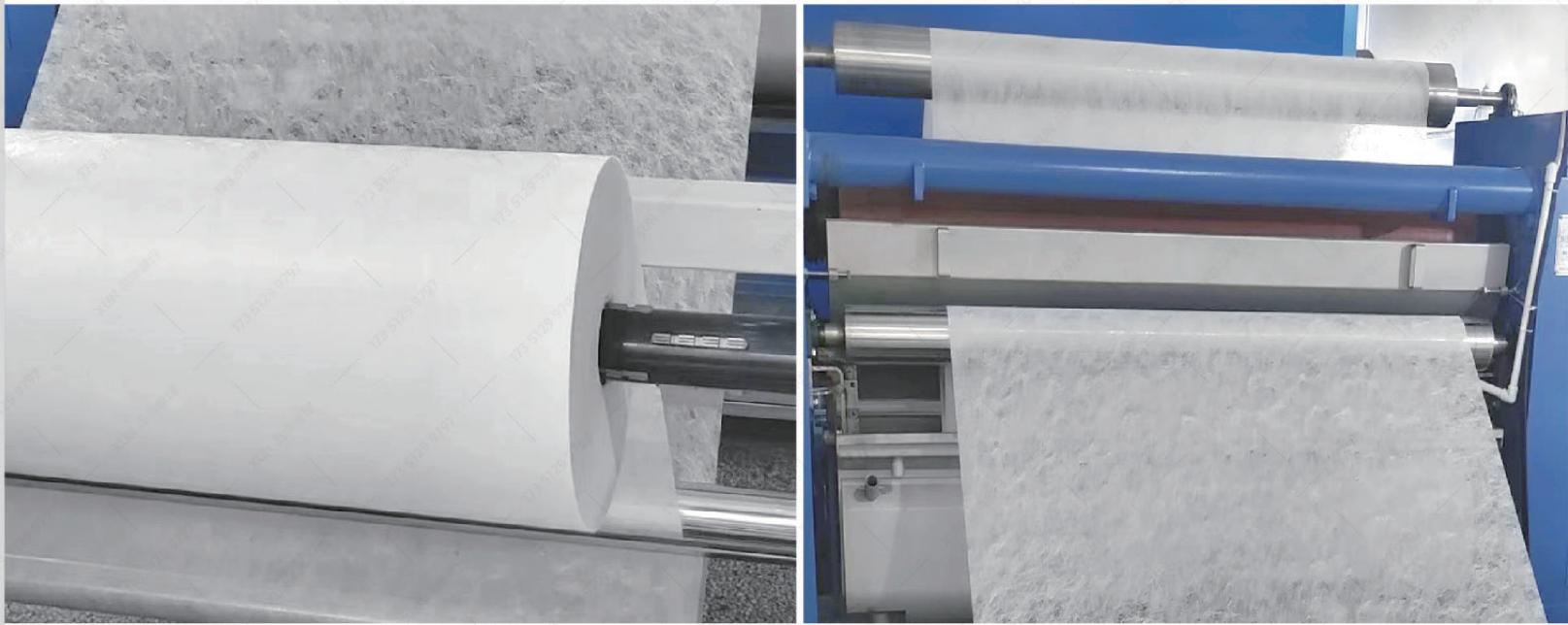


PRODUCT DESCRIPTION

MATERIAL: PET functional skeleton

FUNCTION: Formaldehyde removal skeleton, ammonia removal skeleton, manganese skeleton, antiviral skeleton, antibacterial and mildew proof skeleton

RECOMMENDED APPLICATIONS: Air purifier filters, fresh air system filters, HVAC filters, automotive air conditioning filters, vacuum cleaner filters



APPLICATION AREA



PRODUCT SPECIFICATIONS

Model	Thickness mm	Tensile Strength N/50min	Stiffness mg	Standard Weight	Air Permeability
PET-45g	0.32±0.05	Vertical 65/Horizontal 40	Vertical 110/Horizontal 70	45g/m²	4500L/m².S
PET-50g	0.34±0.05	Vertical 90/Horizontal 40	Vertical 110/Horizontal 70	50g/m²	4000L/m².S
PET-60g	0.40±0.05	Vertical 100/Horizontal 50	Vertical 160/Horizontal 90	55g/m²	3800L/m².S
PET-70g	0.45±0.05	Vertical 110/Horizontal 65	Vertical 220/Horizontal 110	60g/m²	3600L/m².S
PET-90g	0.55±0.06	Vertical 150/Horizontal 90	Vertical 350/Horizontal 220	80g/m²	3200L/m².S

Meltblown filter cloth

- Electret electrode
- Water polarization



PRODUCT DESCRIPTION

MATERIAL: PP
RECOMMENDED APPLICATIONS: Medical masks, SMS protective clothing, medical industry



APPLICATION AREA



PRODUCT SPECIFICATIONS

Model	Filtration Efficiency	Standard Wind Resistance	Standard Weight	Average Resistance	Test Equipment
GB-F8	80%	< 6Pa	15g/m²	± < 1.5Pa	TSI 8130
GB-F9	90%	< 10Pa	20g/m²	± < 1.5Pa	Test Traffic
GB-H11	95%	< 12Pa	20g/m²	± < 1.5Pa	32L/min.dm²
GB-H12	99.5%	< 16Pa	23g/m²	± < 1.5Pa	Test Medium
GB-H13	99.95%	< 26Pa	25g/m²	± < 1.5Pa	0.3µm NaCl

Electrostatic cotton

• Dry skeleton cotton



PRODUCT DESCRIPTION

MATERIAL: PP

FUNCTION: Junior high efficiency filter material

RECOMMENDED APPLICATIONS: Fresh air system filters, HVAC filters, automotive air conditioning filters



APPLICATION AREA



PRODUCT SPECIFICATIONS

Model	Filtration Efficiency	Standard Wind Resistance	Standard Weight	Test Equipment
MV-H10	35~45%	< 0.5Pa	50g/m²	TSI 8130
MV-H11	45~55%	< 1Pa	70g/m²	Test Traffic
MV-H12	55~65%	< 1.5Pa	90g/m²	32L/min.dm²
MV-H13	65~75%	< 2Pa	110g/m²	Test Medium
MV-H14	75~85%	< 3Pa	130g/m²	0.3µm NaCl

Humidifying paper

· Network connected humidification



PRODUCT DESCRIPTION

MATERIAL: Adhesive+PET
FUNCTION: Humidifier filter material
RECOMMENDED APPLICATION: Home air purifier

PRODUCT SPECIFICATIONS

Gram Weight	Thickness mm	Wide Width mm	Water absorption rate mm/10min
95±5g/m²	0.7±0.1	nominal value +10/-0	Vertical 110/Horizontal 100
Water Absorption	Chemical Resistance	Stiffness mg	
≥360g/m²	No fading, no deformation	Vertical 450/Horizontal 180	

Modified carbon



PRODUCT DESCRIPTION

MATERIAL: Activated Carbon
FUNCTION: Remove harmful gases (formaldehyde, nitrides, sulfides, toluene, butane, ammonia)
RECOMMENDED APPLICATIONS: Air purifier filters, fresh air system filters, automotive air conditioning filters, cleanrooms, chemical filters

PRODUCT SPECIFICATIONS

Color	Material	Ash Content	Moisture	Filling Density	ASTM Iodine Value
black	Activated Charcoal	≤12%	≤5%	450±15g/l	≥800mg/g
Carbon Tetrachloride Adsorption Value	Formaldehyde Removal Rate	Acetic Acid Removal Efficiency	Ammonia Removal Rate	Adsorption Capacity (formaldehyde)	
≥60%	> 95%	> 95%	> 95%	> 6000mg/Kg	

Household vacuum cleaner sweeping machine washing machine composite filter material

- Impregnation composite
- Polyester composite



PRODUCT DESCRIPTION

MATERIAL: PP

RECOMMENDED APPLICATIONS: Home sweeping machines, vacuum cleaners, washing machines



APPLICATION AREA



PRODUCT SPECIFICATIONS

Model	Filtration Efficiency	Standard Wind Resistance	Standard Weight	Test Equipment
GB-H11	≥95%	< 20Pa	60g/m²	TSI 8130
GB-H12	≥99.5%	< 35Pa	80g/m²	Test Traffic
GB-H13	≥99.95%	< 40Pa	100g/m²	32L/min.dm³
-	-	-	-	Test Medium
-	-	-	-	0.3µm NaCl

Household single effect composite filter paper

- Wet process
- Dry process
- Immersion
- Composite



PRODUCT DESCRIPTION

MATERIAL: PET skeleton+PP melt blown

RECOMMENDED APPLICATIONS: Air purifier filter, Dedicated outdoor air system filter, HVAC filter, automobile air conditioner filter, cleaner filter element



PRODUCT SPECIFICATIONS

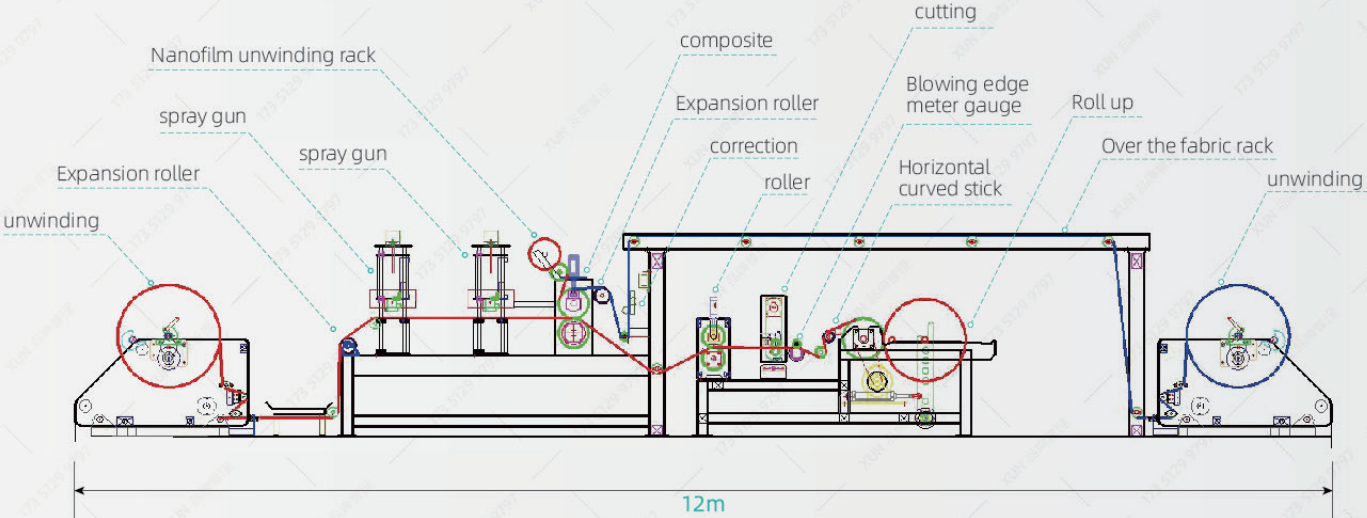
Model	Filtration Efficiency	Standard Wind Resistance	Standard Weight	Average Resistance	Test Equipment
GB-F8	80%	< 8Pa	65g/m²	± < 1.5Pa	TSI 8130
GB-F9	90%	< 12Pa	70g/m²	± < 1.5Pa	Test Traffic
GB-H11	95%	< 15Pa	70g/m²	± < 1.5Pa	32L/min.dm²
GB-H12	99.5%	< 20Pa	73g/m²	± < 1.5Pa	Test Medium
GB-H13	99.95%	< 28Pa	75g/m²	± < 1.5Pa	0.3µm NaCl
GB-H14	99.995%	< 35Pa	85g/m²	± < 1.5Pa	Test Traffic

Dust removal industry
Cylinder / filter paper



PRODUCT DESCRIPTION

MATERIAL: Tetrafluoroethylene PET skeleton+PTFE
RECOMMENDED APPLICATION: Dust removal industry filter cartridge



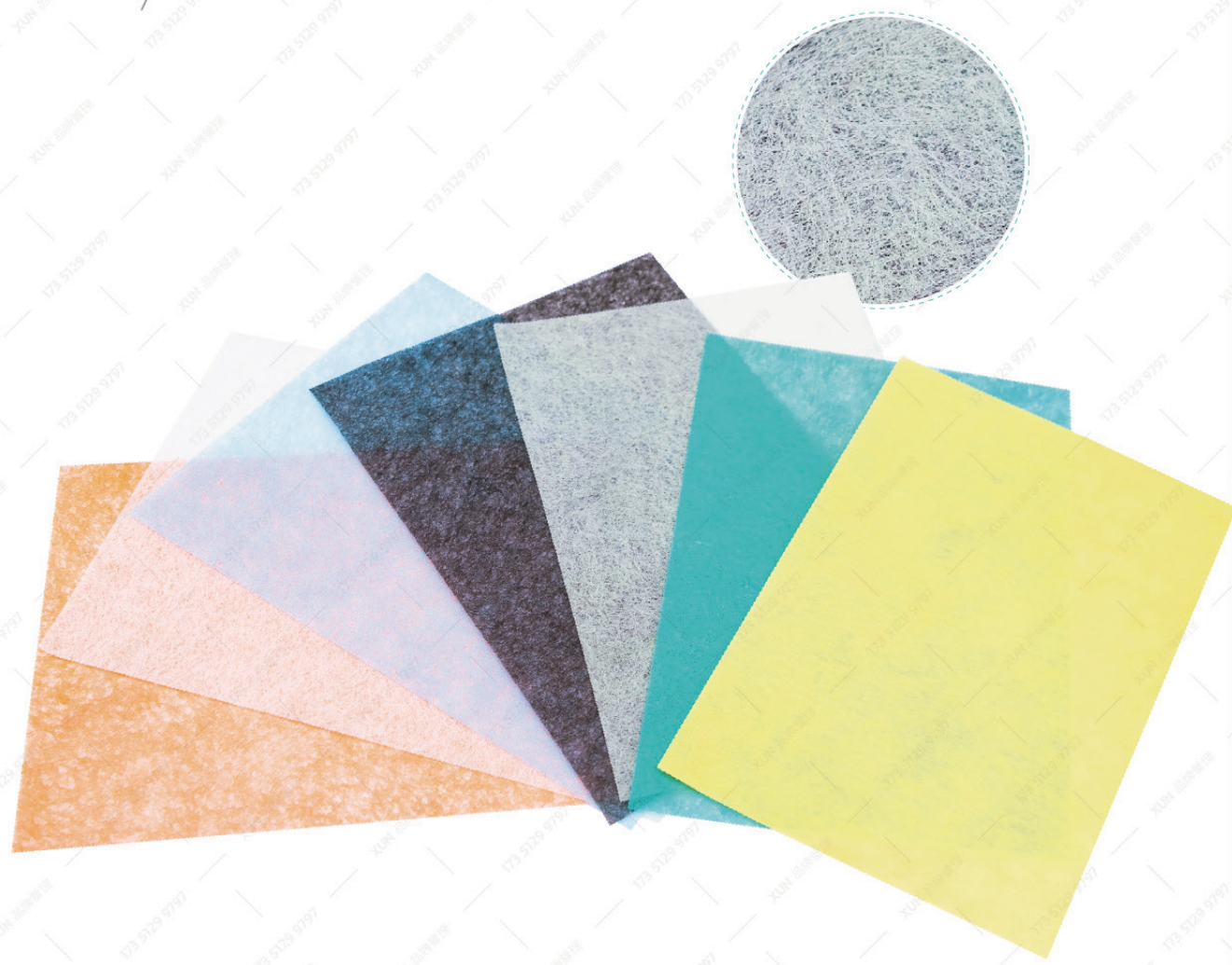
APPLICATION AREA



PRODUCT SPECIFICATIONS

Model	Filtration Efficiency	Standard Wind Resistance	Standard Weight	Average Resistance	Test Equipment
GB-H11	95%	< 70Pa	120g/m²	± < 10Pa	32L/min.dm²
GB-H12	99.5%	< 100Pa	120g/m²	± < 10Pa	Test Medium
GB-H13	99.95%	< 130Pa	120g/m²	± < 10Pa	0.3µm NaCl
GB-H14	99.995%	< 150Pa	120g/m²	± < 10Pa	TSI 8130
GB-U15	99.9995%	< 180Pa	120g/m²	± < 10Pa	0.1µm NaCl

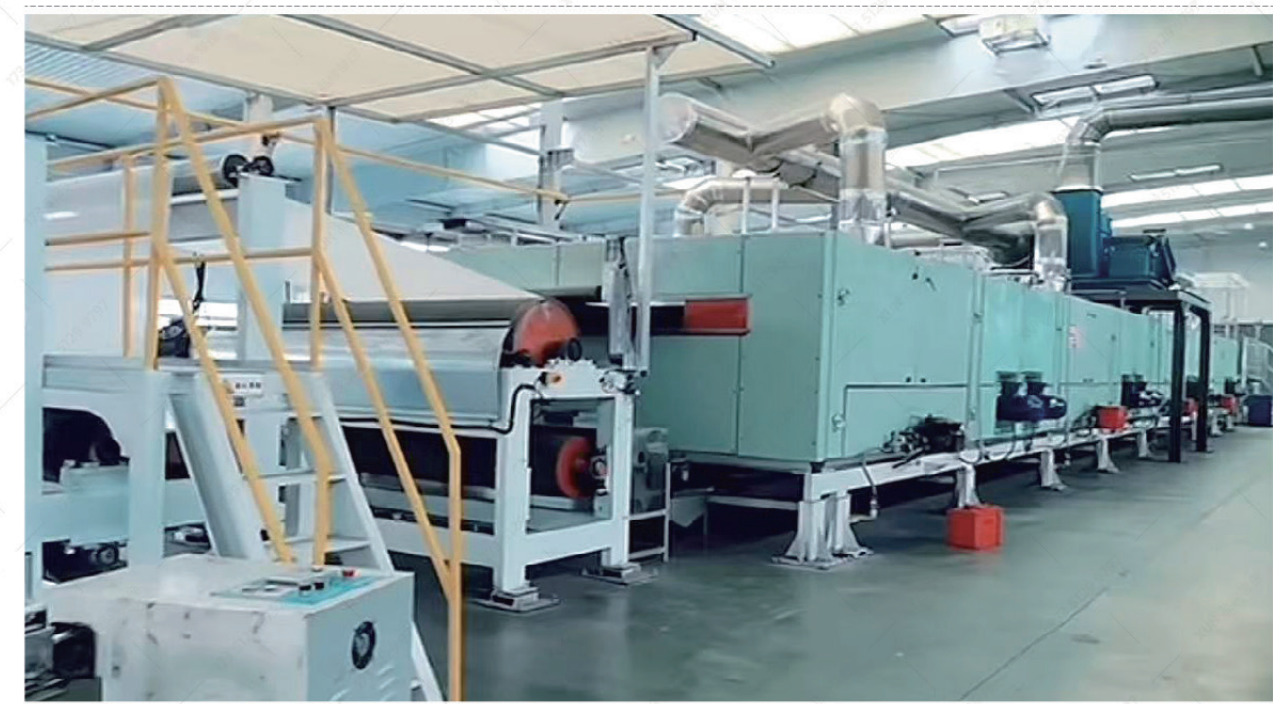
Wet skeleton non-woven fabric



PRODUCT DESCRIPTION

MATERIAL: PET skeleton

RECOMMENDED APPLICATIONS: Air purifier filter, Dedicated outdoor air system filter, HVAC filter, automobile air conditioner filter, cleaner filter element



APPLICATION AREA



PRODUCT SPECIFICATIONS

Model	Thickness mm	Tensile strength N/50min	Stiffness mg	Standard weight	Air Permeability
PET-45g	0.32±0.04	Vertical 65/Horizontal 40	Vertical 110/Horizontal 70	45g/m²	6000L/m².S
PET-50g	0.34±0.05	Vertical 90/Horizontal 40	Vertical 110/Horizontal 70	50g/m²	5800L/m².S
PET-55g	0.35±0.05	Vertical 100/Horizontal 50	Vertical 160/Horizontal 90	55g/m²	5600L/m².S
PET-60g	0.39±0.05	Vertical 110/Horizontal 65	Vertical 220/Horizontal 110	60g/m²	5400L/m².S
PET-80g	0.52±0.06	Vertical 150/Horizontal 90	Vertical 350/Horizontal 220	80g/m²	4400L/m².S