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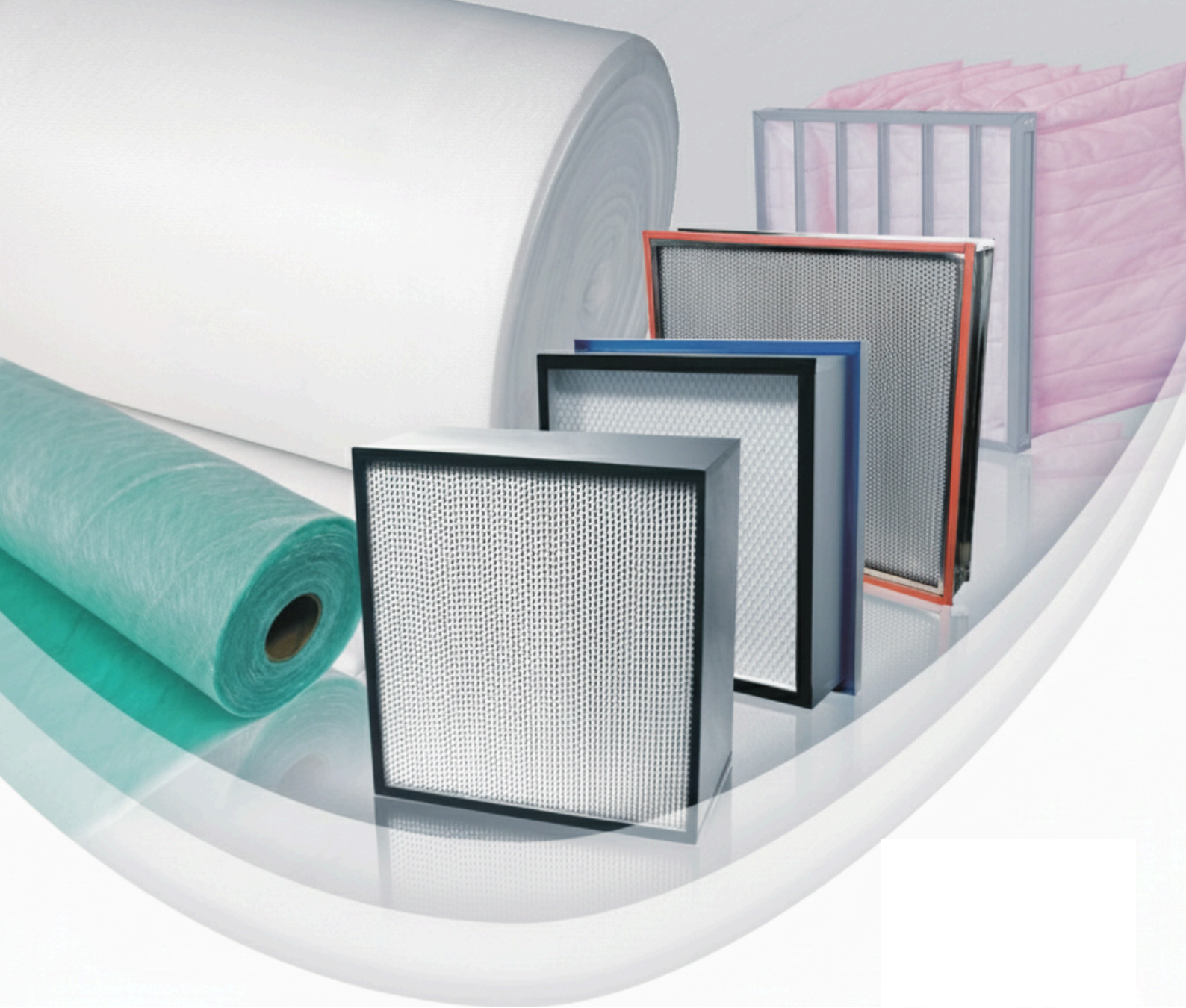
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Pre Filter Media



Features

- Resistant to fracture, high elasticity;
- Step by step encryption of filter fibers and stratified filtration;
- Large dust holding capacity and stable performance;
- Long using life;
- Silicone free;
- Available to supply in cut pad or rolls;
- Washable.

Application

- Suitable for pre-filtration of various ventilation systems, air-conditioning systems and dust removal systems.

Technical parameters

Main material	Polyester fiber (PET)	Flammability rating	F1(DIN 53438)/B1(GB/T 17591-2006)
Filtration class	G2、G3、G4(EN779)	Dust holding capacity	300g/m², 400g/m², 500g/m² 、600g/m²
Filter object	Coarse dust and foreign matter≥5μm	Temperature resistance	100°C
Final resistance	250Pa(Suggestion)	Temp. short peak	120°C
Average weight efficiency	95%(ASHRAE52.1-1992)	Humidity resistance	100%

Specifications

Model	Filtration class	Thickness (mm)	Weight (g/m²)	I.N.P (Pa)	Rated air velocity (m/s)	Rated air flow (m³/h)
C05	G2	5	120	15	1.5	5400
C10	G3	10	150	18	1.5	5400
C15	G4	15	180	22	1.5	5400
C18	G4	18	200	25	1.5	5400
C20	G4	20	220	28	1.5	5400
C22	G4	22	250	30	1.5	5400

Note: other specification can be customized according to requirements.

Blue-White Pre Filter Media



Features

- Resistant to fracture, high elasticity;
- The filter material fiber is encrypted step by step from blue (air inlet side) to white (air outlet side), and stratified filtration;
- Large dust holding capacity and stable performance;
- Long using life;
- Silicone free;
- Available to supply in cut pad or rolls;
- Washable.

Application

- Suitable for pre-filtration of various ventilation systems, air-conditioning systems and dust removal systems.

Technical parameters

Main material	Polyester fiber (PET)	Flammability rating	F1(DIN 53438)/B1(GB/T 17591-2006)
Filtration class	G2、G3、G4(EN779)	Dust holding capacity	300g/m², 400g/m², 500g/m², 600g/m²
Filter object	Coarse dust and foreign matter≥5μm	Temperature resistance	100°C
Final resistance	250Pa(Suggestion)	Temp. short peak	120°C
Average weight efficiency	95%(ASHRAE52.1-1992)	Humidity resistance	100%

Specifications

Model	Filtration class	Size	Weight (g/m²)	I.N.P (Pa)	Rated air velocity (m/s)	Rated air flow (m³/h)
LC15	G4	2m*20m*15mm	180	22	1.5	5400
LC20	G4	2m*20m*20mm	220	28	1.5	5400

Note: other specification can be customized according to requirements.

Needle Punched Filter Media With Adhesive



Features

- Made with the latest high-temperature acupuncture technology;
- Spray glue treatment, high hardness, strong water resistance;
- Large dust holding capacity, low resistance, stable performance;
- Silicone free;
- Available to supply in cut pad or rolls;
- Washable and reusable.

Application

- Suitable for pre-filtration of various ventilation systems, air-conditioning systems and dust removal systems;

Technical parameters

Main material	Polyester fiber (PET)	Flammability rating	F1(DIN 53438)/B1(GB/T 17591-2006)
Filtration class	G3、G4(EN779)	Dust holding capacity	300g/m², 400g/m²、500g/m²
Filter object	Coarse dust and foreign matter≥5μm	Temperature resistance	100°C
Final resistance	250Pa(Suggestion)	Temp. short peak	120°C
Average weight efficiency	95%(ASHRAE52.1-1992)	Humidity resistance	100%

Specifications

Model	Filtration class	Thickness (mm)	Weight (g/m²)	I.N.P (Pa)	Rated air velocity (m/s)	Rated air flow (m³/h)
ZC03	G3	3	150	20	1.5	5400
ZC05	G4	5	200	25	1.5	5400
ZC08	G4	8	320	35	1.5	5400

Note: other specification can be customized according to requirements.



Features

- 100% capture rate of dust particles larger than 10μm by glue treatment;
- Step by step encryption of filter fibers and stratified filtration;
- High dust holding capacity and long service life;
- Stable structure, uniform air permeability, enabling uniform diffusion of airflow;
- Low initial resistance, strong elasticity and wrinkle resistance;
- Silicone free

Application

- Ceiling filter(Roof filter) is mainly used in the final filtering system of coating system and spray booth, and is also for deep filtration of ventilation system and equipment.

Technical parameters

Main material	Polyester fiber (PET)	Flammability rating	F1(DIN 53438)/B1(GB/T 17591-2006)
Filtration class	G4、M5(EN779)	Dust holding capacity	500g/m²、550g/m²、600g/m²、650g/m²、700g/m²
Filter object	**Coarse dust and foreign**	Temperature resistance	100°C
Final resistance	450Pa(Suggestion)	Temp. short peak	120°C
Average weight efficiency	98%(ASHRAE52.1-1992)	Humidity resistance	100%

Specifications

Model	Filtration Class	Average capture rate	Thickness (mm)	Weight (g/m²)	Dust holding capacity (g/m²)	Air velocity (m/s)	I.N.P (Pa)	F.N.P (Pa)	Scrim/Glue
N600G/RT-S600G	M6	99.5%	22±2	700	700	0.25	65	450	Full glue
N600G/RT-S600G	M5	99%	22±2	600	600	0.25	45	450	Full glue
N600E/RT-S600E	M5	99%	22±2	550	550	0.25	43	450	Full glue
N560G/RT-S560G	M5	98%	22±2	500	500	0.25	40	400	Full glue
N450G/RT-S450G	M5	97%	22±2	450	450	0.25	35	400	Surface glue
N420G/RT-S420G	G4	95%	22±2	420	420	0.25	30	400	Surface glue
N300G/RT-S300G	G4	90%	22±2	260	350	0.25	28	400	without glue

Note: other specification can be customized according to requirements.



Features

- Step by step encryption of filter fibers and stratified filtration;
- High dust holding and long service life;
- Air outlet surface with film treatment, stable structure, not easy to drop chips;
- Strong adsorptive power for paint mist and oil mist; Excellent moisture-proof, elasticity, acid and alkali
- resistance, and high temperature resistance.

Application

- It is mainly used in the discharge filtration of paint mist or industrial oil mist from painting systems or pre-filtration of general ventilation.

Technical parameters

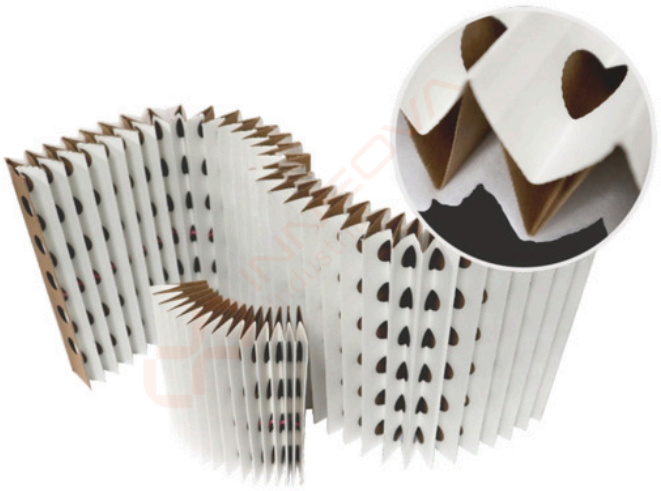
Main material	Fiberglass fiber	Flammability rating	A1(GB/T 5464-2010、GB/T14402-2007)
Filtration class	G2、G3、G4(EN779)	Temperature resistance	250°C
Filter object	Paint mist, oil mist, dust particles	Temp. short peak	300°C
Final resistance	200Pa(Suggestion)	Humidity resistance	100%
Average weight efficiency	PA-50/60 ⩾90%、PA-75 ⩾95%、PA-100 ⩾98%	Color	Green-white,Blue-white, Yellow-white, Pink-white and white

Specifications

Model	Filtration Class	Thickness (mm)	Weight (g/m^2)	Dust holding capacity (g/m^2)	Air velocity (m/s)	Rated air flow (m^3/h)	I.N.P (Pa)	F.N.P (Pa)	Capture rate
PA30	G2	30-40	180	>3500	2	7200	15	200	85%
PA50	G3	40-50	210	>3800	2	7200	18	200	90%
PA60	G3	50-60	220	>4000	2	7200	20	200	90%
PA70	G3	60-70	250	>4300	1.75	6300	23	200	95%
PA80	G4	70-80	300	>4600	1.75	6300	28	200	95%
PA100	G4	90-100	350	>5000	1.5	4500	35	200	98%
PA110	G4	100-110	400	>5500	1.3	4500	50	200	98%
PA120	G4	110-120	450	>6000	1.3	4200	55	250	98%
PA130	G4	120-130	500	>6500	1.3	4200	60	300	98%

Note: other specification can be customized according to requirements.

V-Type Paint Filter Paper



Features

- Whirlpool airflow guide design, high filtering efficiency;
- V-shaped depth bearing, high dust holding capacity and low pressure;
- Simple installation;
- Simply recycle paint particles and dust particles;
- Reproducible paper, environmental and high efficiency;
- Long service life and low replacement frequency.

Application

- It is used in the discharge and filtration of paint mist or industrial oil mist in painting systems.

Technical parameters

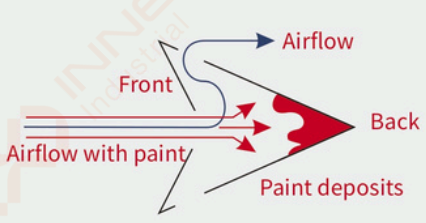
Main material	Excellent double layer kraft paper	Filter object	Paint particles and dust particles
Stretch folding distance	50mm	Flame retardant grade	F1(DIN 53438)
Aperture	25mm	Temperature resistance	⩽80°C
Pitch-row	20mm	Temp. short peak	100°C

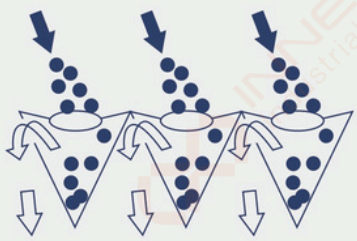
Specifications

Model	Length (m)	Width (m)	Thickness (mm)	Rated air velocity (m/s)	Work time (h)	EFF.	Adsorptivity ability (kg/m^2)	Remark
V60	10	0.75/0.9/1/1.2	60	0.5-1	240-250	85%	12	Without Synthetic
V65	10	1.25	65	0.5-1	240-250	85%	12	Without Synthetic
VS60	10	0.75/0.9/1/1.2	60	0.5-1	240-250	93%	15	With Synthetic
VS65	10	1.25	65	0.5-1	240-250	93%	15	With Synthetic
VP60	10	0.75/0.9/1/1.2	60	0.5-1	180-220	93%	13	Paper Tape
VF65	10	1.25	65	0.7-1.4	180-220	93%	12	Flame Retardant

Note: other specification can be customized according to requirements.

Schematic of Inert Separation:





Multi-layer Paint Filter Paper



Features

- High filtration efficiency.
- Fire retardant and anti-static.
- Low air resistance.
- Easy to replace.
- Economical and practical.
- Recyclable for disposal.

Application

- Special filter materials for dry paint spraying systems and paint shops

Technical parameters

Main material	Multi-layer kraft paper	Temperature resistance	⩽80°C
Filter object	Paint particles and dust particles	Temp. Short Peak	⩽100°C

Specifications

Model	Standard Size (m)	Material	Layers	Air Velocity (m/s)	I.N.P (Pa)	Paint mist purification rate
PM05	1*10	Flame retardant fibers	5	0.6-1	<20	50%-70%
PM06	1*10	Flame retardant fibers	6	0.6-1	<20	60%-80%
PM07	1*10	Flame retardant fibers	7	0.6-1	<20	70%-90%
PM08	1*10	Flame retardant fibers	8	0.6-1	<20	80%-95%
PM09	1*10	Flame retardant fibers	9	0.6-1	<20	90%-96%
PM10	1*10	Flame retardant fibers	10	0.6-1	<20	95%-98%

Note: other specification can be customized according to requirements.
:500*500mm, 600*600mm, 800*800mm;

Paint Mist Collection Box Filter



Features

- Extremely high capacity of paint tolerance;
- Multi-layer filter media, incremental structure, high filtration efficiency;
- Long using life;
- Low initial resistance and slow rise in pressure drop;
- Labyrinth filter material can be flame retardant, in accordance with DIN5510 F1 and DIN4102 flame retardant type material;
- Silicone free;
- Recyclable and cost saving;
- High efficiency capture filtration;
- Easy installation and replacement.

Application

- For the filtration of paint mist or industrial oil mist emissions from painting systems.

Technical parameters

Main material	Kraft paper	Temperature resistance	⩽80°C
Filter object	Paint particles and dust particles	Temp. Short Peak	⩽100°C

Specifications

Model	Name	Size (mm)	I.N.P (Pa)	F.N.P (Pa)	Rated air flow (m^3/h)	Paint mist purification rate	Fire retardant
PMB-L	Labyrinth type filter	500*500*500	50	500	2200	97%	Yes
		480*480*300	50	500	1800	97%	Yes
PMB-H	Honeycomb type filter	500*500*500	20	500	2000	98%	Yes/No
		480*480*500	20	500	1500	98%	Yes/No

Note: other specification can be customized according to requirements.

DPA Paint Mist Filter Media



Features

- Good filtration performance, which can capture paint mist particles efficiently as well as effectively filter small size dust particles;
- Wide capturing capacity;
- Long using life;
- Increased filtration area;
- Good resistance to moisture;
- High tensile strength and high corrosion resistance;
- 3-5 times longer service life than other general paint mist filtering materials;
- One of the best paint mist filtration and paint mist capture materials available;
- Silicone free.

Application

- For the filtration of paint mist or industrial oil mist emissions from painting systems.

Technical parameters

Main material	Coarse fiber perforated (PET) + chemical fiber mesh + fine fiber (PET)	Flame retardant grade	F1(DIN 53438), B1(GB/T 17591-2006)
Filtration Class	G3, G4(EN779)	Temperature resistance	⩽100°C
Average weighting efficiency	95%(ASHRAE52.1-1992)	Temp. Short Peak	⩽120°C
Filter object	Coarse dust and foreign matter ⩾5μm (paint mist particles)	Humidity resistance (relative humidity)	⩽100%RH

Specifications

Model	Thickness (mm)	weight (g/m^2)	I.N.P (Pa)	F.N.P (Pa)	Rated air velocity (m/s)	Rated air flow (m^3/h)	Paint capacity (kg/m^2)	Capture efficiency
DPA400	25	400	30	300	0.6	2200	4	>95%
DPA500	30	500	35	300	0.6	2200	5	>98%
DPA600	40	600	40	300	0.6	2200	6	>99%

Note: other specification can be customized according to requirements.

Flame Retardant Pre Filter Media



Features

- High flame retardant performance;
- Step by step encryption of filter fibers and stratified filtration;
- High dust holding capacity and long using life;
- Silicone free;
- Washable and reusable.

Application

- It is mainly used for work environments and air ventilation systems with strict fire protection requirements.

Technical parameters

Main material	Flame retardant polyester fiber (PET)	Flammable level(import)	Class3(JACA No.11A-2003)
Filtration Class	G3、G4(EN779)	Flammable level	S4(DIN5510-2)
Average weighting efficiency	90%(ASHRAE52.1-1992)	Drop grade	ST2(DIN5510-2)
Filter object	Coarse dust and foreign matter (paint mist particles)≥5μm	Smoke level	SR2(DIN5510-2)
Final resistance(Pa)	250	Temperature resistance	≤100°C
Smoke density	≤200 (TB/3237)	Temp. Short peak	120°C
Oxygen index	≥32 (TB/3237)	Humidity resistance (relative humidity)	≤100%

Specification

Model	Size	Thickness (mm)	Weight (g/m^2)	Dust holding capacity (g/m^2)	Rated Air velocity (m/s)	Rated air flow (m^3/h)	I.N.P (Pa)	F.N.P (Pa)	Remark
F10	1m*20m 2m*20m	10	150	400	2	7200	20	200	China
F15	1m*20m 2m*20m	15	180	500	2	7200	23	200	China
F20	1m*20m 2m*20m	20	220	580	2	7200	25	250	China
PS600N	1.6m*20m 2m*20m	20	450	600	2	7200	65	250	Import
PS400N	1.6m*20m 2m*20m	15	300	550	2	7200	35	250	Import
PS300N	1.6m*30m 2m*30m	10	250	500	2	7200	30	220	Import
PS150N	1.6m*30m 2m*30m	8	100	400	2	7200	20	220	Import

Note: other specification can be customized according to requirements.

Flame Retardant Ceiling Filter



Features

- 100% capture rate of dust particles larger than 10μm by glue treatment;
- Step by step encryption of filter fibers and stratified filtration;
- High dust holding capacity and long service life;
- Stable structure, uniform air permeability, enabling uniform diffusion of airflow;
- Low initial resistance, strong elasticity and wrinkle resistance;
- Fire resistance treatment, flame retardant level up to S2 level;
- Silicone free.

Application

- It is mainly used for spray system and paint booth with strict fire protection requirements.

Technical parameters

Main material	Flame retardant polyester fiber (PET)	Flame retardant grade	S2(DIN5510-2)
Filtration Class	F5(EN779)	Drop grade	ST2(DIN5510-2)
Average weighting efficiency	98%(ASHRAE52.1-1992)	Smoke level	SR2(DIN5510-2)
Filter object	Coarse dust and foreign matter ⩾1μm	Temperature resistance	⩽100°C
Smoke density	⩽200 (TB/3237)	Temp. Short peak	120°C
Oxygen index	⩾32 (TB/3237)	Humidity resistance (relative humidity)	⩽100%

Specification

Model	Filtration class	Average capture rate	Thickness (mm)	weight (g/m^2)	Dust holding capacity (g/m^2)	Air velocity (m/s)	I.N.P (Pa)	F.N.P (Pa)	Viscosity
NF600G	M5	99%	22±2	600	600	0.25	45	450	Full glue
NF560G	M5	98%	22±2	560	560	0.25	45	450	Full glue
NF500G	M5	98%	22±2	500	500	0.25	40	400	Full glue
NF450G	M5	97%	22±2	450	450	0.25	35	400	Surface glue
NF400G	G4	95%	22±2	400	400	0.25	30	400	Surface glue

Note: other specification can be customized according to requirements.



Features

- Strong corrosion resistance;
- Resistant to various solvents, acids and bases;
- High temperature resistance, excellent flame retardancy, no molten drops by fire;
- Resistance to fracture, no fibers loss;
- Can be made into panel filter.

Application

- It is mainly used for primary filtration in ventilation equipment, dust removal equipment and air supply systems in various high temperature and fireproof environments.

Technical parameters

Main material	Special flame retardant synthetic fibers	Flame retardant grade	Class3(JACA No.11A-2003)
Filtration Class	G2、G3、G4(EN779)	Smoke density Oxygen index	200 (TB/3237)
Average weighting efficiency	90%(ASHRAE52.1-1992)	Oxygen index	⩾32 (TB/3237)
Filter object	Coarse dust and foreign matter ⩾5μm	Humidity resistance (relative humidity)	⩽100%RH

Specification

Model	Size	Thickness (mm)	Weight (g/m^2)	Dust holding capacity (g/m^2)	Rated Air velocity (m/s)	Rated air flow (m^3/h)	Temperature resistance (°C)	I.N.P (Pa)	F.N.P (Pa)
HT180	1.6m*20m	10	100	350	1	3600	<180	25	250
HT240	500mm*500mm	20	200	500	1	3600	<240	45	250
	800mm*800mm	20	200	500	1	3600	<240	45	250

Note: other specification can be customized according to requirements.



Features

- Stable chemical and physical properties;
- Excellent flame retardancy, no molten drops, no carbon gathering, no shrinkage and no deformation by fire;
- Strong corrosion resistance;
- Resistant to various solvents, acids and bases;
- Strong temperature resistance, low hygroscopicity, long using life;
- Low resistance, high dust capacity.

Application

- It is mainly used for primary filtration in ventilation equipment, dust removal equipment and air supply systems in various high temperature and fireproof environments.

Technical parameters

Main material	Long glass fiber	Flame retardant grade	A (GB8624)
Filtration Class	G2、G3、G4(EN779)	Temperature resistance	≤250°C
Average weighting efficiency	85%、95%(ASHRAE52.1-1992)	Temp. Short peak	≤300°C
Filter object	Coarse dust and foreign matter ≥5μm	Humidity resistance (relative humidity)	≤100%RH

Specification

Model	Size	Thickness (mm)	Weight (g/m^2)	I.N.P (Pa)	F.N.P (Pa)	Temperature resistance (°C)	Temp. Short peak(°C)	Filtration class
GF02	1.25m*120m	2	120	20	200	300	300	G4
GF30	0.5/1/1.8m*20m	30	350	25	250	300	300	G3
GF50	0.5/1/1.8m*20m	50	500	30	250	300	300	G4

Note: other specification can be customized according to requirements.

PP Spunbond Non-Woven Roll media



Features

- Light weight, fluffy texture and good hand feeling;
- Soft and comfortable finished product;
- No water absorption, strong air permeability;
- Non-toxic, non-irritating, stable performance;

Application

- One of the constituent materials of the non-woven bag filter material, used as the outer base fabric and inner base fabric of the bag filter material to strengthen the structural stability;

Technical parameters

Main material	Polypropylene (PP) raw material	Temperature resistance	⩽80°C
Moisture resistance (relative humidity)	⩽100%	Temp.short peaks	100°C

Specification

Model	Weight (g/sq.m)	Thickness (mm)	Tensile Strength (N/5cm)		Elongation (%)		Tear strength (N)		Breath ability ($cm^3/cm^2.sn$)	Penetr ability (s)	Hygroscopicity (g/sq.m)
			MD	CD	MD	CD	MD	CD			
NW12	12	0.12	24	19	54	59	18	20	185	2.5<X<3.5	<0.2
NW15	15	0.15	31	23	61	67	20	22	175	2.5<X<3.5	<0.2
NW18	18	0.18	35	27	65	71	22	25	165	2.5<X<3.5	<0.2
NW20	20	0.20	40	33	68	75	30	30	160	2.5<X<3.5	<0.2
NW22	22	0.22	45	38	70	76	32	33	155	2.5<X<3.5	<0.2
NW25	25	0.24	52	45	73	78	35	38	150	2.5<X<3.5	<0.2
NW30	30	0.28	61	54	77	81	38	43	145	2.5<X<3.5	<0.2

Note: other specification can be customized according to requirements.

Melt Blown Non-Woven Fabric



Features

- Many voids, fluffy structure and good anti pleating performance;
- The number of unit microfiber is large and the surface area is large;
- It has good screen, insulation and oil absorption;
- The appearance is white, flat and soft;
- The fiber diameter is very small (1-5 microns) and the porosity is high (⩾ 75%);
- Low resistance, large dust capacity and high efficiency;
- Corona electret improves the filtering effect;
- It can composite various support frameworks and adsorption materials;
- The product is non-toxic and odorless.

Application

- It is mainly used as air filter material and is widely used in medium efficiency bag filter material.

Technical parameters

Main material	Polypropylene (PP) raw material	Temperature resistance	⩽100°C
Moisture resistance (relative humidity)	⩽100%	Temp.short peaks	120°C

Specification

Model	Filtration class	EFF. (%)	Weight (g/sq.m)	I.N.P (Pa)	Elongation at break% (MD)	Elongation at break% (CD)
MB06	M6	65	12±1	8±2	⩾15	⩾20
MB07	F7	80	18±1	14±2	⩾15	⩾20
MB08	F8	90	25±1	20±2	⩾15	⩾20
MB09	F9	95	30±1	26±2	⩾15	⩾20

Note: other specification can be customized according to requirements.

Composite Synthetic Meltblown Layer



Features

- Three dimensional reticular structure;
- The material is white and soft;
- Good consolidation, integrity and fluffiness;
- The filter has large specific surface area and large dust capacity;
- Corona electret improves the filtering effect;
- Low resistance and high efficiency;
- High resilience and deformation resistance;
- Moisture proof, mildew resistant and easy to dry.

Application

- It is mainly used as air filter material and is widely used in medium efficiency bag filter material.

Technical parameters

Main material	Polypropylene Microfiber (PP) + Polyester staple fiber (PET)	Temperature resistance	⩽100°C
Moisture resistance (relative humidity)	⩽100%	Temp.short peaks	120°C

Specification

Model	Filtration class	EFF. (%)	Weight (g/sq.m)	I.N.P (Pa)	Material	Remark
SZ04	G4	-	50±2	3±2	PP+PET	Used with melt blown
SZ05	M5	45	40±2	5±2	PP+PET	Use alone
SZ06	M6	65	50±2	8±2	PP+PET	Use alone
SZ07	F7	80	65±2	10±2	PP+PET	Use alone
SZ08	F8	90	70±1	14±2	PP+PET	Use alone

Note: other specification can be customized according to requirements.

Synthetic Pocket Filter Media Roll



Features

- Materials: polypropylene (PP) and polyester fiber (PET);
- Multi layer non-woven fabric composite, three-dimensional network structure, to meet the layered filtration;
- High dust capacity and long service life;
- Low initial resistance and high efficiency;
- The material is non-toxic, tasteless, environmentally friendly and completely disposable.

Application

- It is mainly used as raw materials for bag filter and plate filter in general ventilation system.

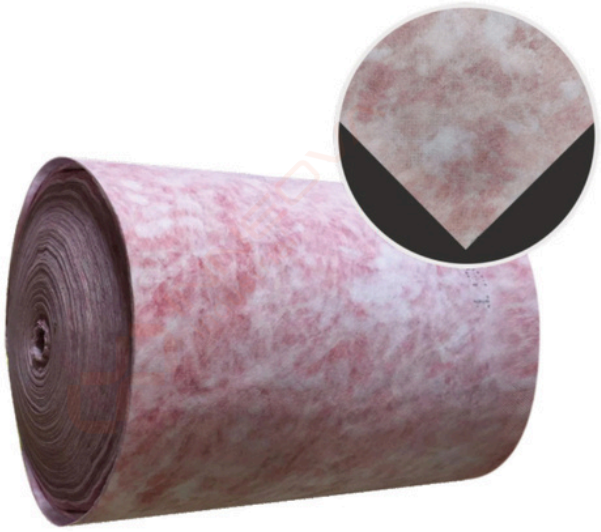
Specification

	Standard Type								
Test standard	Model	Filtration Class	Length (m)	Thickness (mm)	Weight (g/㎡)	I.N.P (Pa)	Dust capacity (g/m²)	Eff. (%)	Color
EN779:2012	SFS05	M5	150	4.5±0.5	170±3	6±2	180±10	45	White
	SFS06	M6	150	5±0.5	195±3	10±2	190±10	65	Green
	SFS07	F7	150	5.5±0.5	205±3	15±2	210±10	85	Pink
	SFS08	F8	150	6±0.5	220±3	22±2	220±10	90	Yellow
	SFS09	F9	150	6.5±0.5	235±3	28±2	230±10	95	White

	Economical Type								
Test standard	Model	Filtration Class	Length (m)	Thickness (mm)	Weight (g/㎡)	I.N.P (Pa)	Dust capacity (g/m²)	Eff. (%)	Color
EN779:2012	SFS05	M5	150	4.5±0.5	125±3	5±2	160±10	45	White
	SFS06	M6	150	5.5±0.5	140±3	9±2	170±10	65	Green
	SFS07	F7	150	6.5±0.5	170±3	14±2	190±10	85	Pink
	SFS08	F8	150	7.5±0.5	200±3	18±2	200±10	90	Yellow
	SFS09	F9	150	8±0.5	220±3	22±2	210±10	95	White

	High Standard Type								
Test standard	Model	Filtration Class	Length (m)	Thickness (mm)	Weight (g/㎡)	I.N.P (Pa)	Dust capacity (g/m²)	Eff. (%)	Color
EN779:2012	SFS05	M5	150	4.5±0.5	130±3	5±2	200±10	45	White
	SFS06	M6	150	5±0.5	150±3	9±2	210±10	65	Green
	SFS07	F7	150	5.5±0.5	155±3	14±2	230±10	85	Pink
	SFS08	F8	150	6±0.5	165±3	20±2	240±10	90	Yellow
	SFS09	F9	150	6.5±0.5	225±3	26±2	250±10	95	White
	Flame Retardant Type								
Test standard	Model	Filtration Class	Length (m)	Thickness (mm)	Weight (g/㎡)	I.N.P (Pa)	Dust capacity (g/m²)	Eff. (%)	Color
EN779:2012	SFF05	M5	150	2.5±0.5	115±3	8±2	180±10	45	White
	SFF06	M6	150	2.5±0.5	115±3	12±2	180±10	65	Green
	SFF07	F7	150	2.5±0.5	115±3	18±2	180±10	85	Pink
	SFF08	F8	150	2.5±0.5	125±3	25±2	180±10	90	Yellow
	SFF09	F9	150	2.5±0.5	125±3	31±2	180±10	95	White

Glass Fiber Pocket Filter Media Roll



Features

- Long-period
- High dust holding capacity and low pressure;
- Three-dimensional microporous structure, high
- porosity, large filtering area;
- Stable efficiency;
- High temperature resistance;
- No formaldehyde and environmental protection;
- Good insulation, no static electricity;
- Meet EN779-2012 and ISO 16890-2016 standard.

Application

- The raw materials of bag filters and pleated panel filters in general ventilation system are widely used in hot air filtration environments, which can effectively remove dust and resist chemical erosion from harmful fumes.

Technical parameters

Main material	Superfine Glass Fiber	Temperature resistance	≤180°C
Moisture resistance (relative humidity)	≤100%	Temp.short peaks	200°C

Specification

Model	Size	Weight (g/㎡)	I.N.P (Pa)	Thickness (mm)	EFF. ISO16890:2016		EFF. En779(%)		Filtration Class	Color	Remark
GF05	Single side:200m Double side:100m	70±5	≤30	2.5±0.5	e PM10	50%-65%	≥0.4μm	≥45	M5	Light Yellow	Without Coarse Layer
GF06	Single side:200m Double side:100m	70±5	≤40	2.5±0.5	e PM2.5	50%-60%	≥0.4μm	≥65	M6	Apricot Yellow	Without Coarse Layer
GF07	Single side:200m Double side:100m	75±5	≤70	2.5±0.5	e PM1	50%-70%	≥0.4μm	≥85	F7	Light Pale	Without Coarse Layer
GF08	Single side:200m Double side:100m	80±5	≤100	2.5±0.5	e PM1	70%-80%	≥0.4μm	≥90	F8	Light Yellow	Without Coarse Layer
GF09	Single side:200m Double side:100m	80±5	≤120	2.5±0.5	e PM1	80%-90%	≥0.4μm	≥95	F9	Light Yellow	Without Coarse Layer
GF05	Single side:200m Double side:100m	100±5	≤30	2.5±0.5	e PM10	50%-65%	≥0.4μm	≥45	M5	Light Yellow	With Coarse Layer
GF06	Single side:200m Double side:100m	100±5	≤40	2.5±0.5	e PM2.5	50%-60%	≥0.4μm	≥65	M6	Apricot Yellow	With Coarse Layer
GF07	Single side:200m Double side:100m	105±5	≤70	2.5±0.5	e PM1	50%-70%	≥0.4μm	≥85	F7	Light Pale	With Coarse Layer
GF08	Single side:200m Double side:100m	110±5	≤100	2.5±0.5	e PM1	70%-80%	≥0.4μm	≥90	F8	Light Yellow	With Coarse Layer
GF09	Single side:200m Double side:100m	110±5	≤120	2.5±0.5	e PM1	80%-90%	≥0.4μm	≥95	F9	Light Yellow	With Coarse Layer

Note: other specification can be customized according to requirements.

Rigid Pocket Filter Meida Roll



Features

- Fracture resistance and high elasticity;
- The fiber is densified layer by layer and filtered by grade;
- High dust capacity and long service life;
- Silicone free;

Application

- It is mainly used as the raw material of bag filter in general ventilation system and widely used in places with large amount of dust such as spraying system and spraying workshop.

Technical parameters

Main material	Superfine polyester (PET)	Flame retardant grade	F1(DIN 53438)、B1(GB/T 17591-2006)
Filtration Class	M5、M6、F7、F8、F9(EN779)	Dust capacity	450g/m2 、500g/m2 、600g/m2
Average weighting efficiency	90%(ASHRAE52.1-1992)	Temperature resistance	≤100°C
Final resistance	450Pa(Suggestion)	Temp. Short peak	120°C
Filter object	≥1μm coarse dust and foreign matter	Humidity resistance (relative humidity)	≤100%RH

Specification

Mode	Filtration class	EFF. (%)	Thickness (mm)	Weight (g/m^2)	I.N.P (Pa)	F.N.P (Pa)	Dust capacity	Rated wind speed
HC04	G4	35	5±2mm	200±10	15	450	400	1.0
HC05	M5	45	6±2mm	240±10	18	450	450	1.0
HC06	M6	65	7±2mm	280±10	22	450	500	1.0
HC07	F7	85	8±2mm	320±10	26	450	550	1.0
HC08	F8	90	8±2mm	360±10	32	450	600	1.0
HC09	F9	95	8±2mm	400±10	45	450	650	1.0

Note: other specification can be customized according to requirements.

Medium-Efficiency Polyester Material



Features

- High stiffness;
- Resistant to fracture, high elasticity;
- Step by step encryption of filter fibers and stratified filtration;
- Large dust holding capacity and stable performance;
- Long using life.

Application

- Polyester material is a medium-efficiency filter material, a medium-efficiency filter pleated media roll(not covered with mesh), and the medium-efficiency pocket filter media roll.

Technical parameters

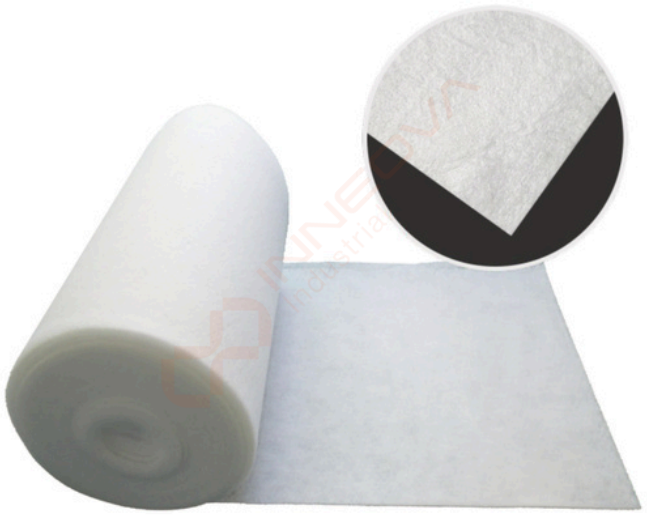
Filter object	Coarse dust and foreign matters ⩾1μm	Temperature resistance	⩽80°C
Final resistance	300Pa(suggestion)	Temp.short peaks	100°C
Filter Grade	G4、M5、M6、F7、F8、F9 (En779)	Moisture resistance (relative humidity)	⩽100%

Specification

Model	Width (m)	Thickness (mm)	Weight (g/m^2)	I.N.P (Pa)	Air permeability ($L/M^2 \cdot S$)	Eff. (%)	Filtration Class
CM04	⩽2	4.5±0.5	230±10	38	⩾1300	30	G4
CM05	⩽2	5.0±0.5	300±5	45	⩾850	50	M5
CM06	⩽2	5.0±0.5	320±5	60	⩾700	65	M6
CM07	⩽1.45	5.0±0.5	360±5	75	⩾500	80	F7
CM08	⩽1.45	5.0±0.5	360±5	90	⩾500	90	F8
CM09	⩽1.45	5.0±0.5	370±5	120	⩾400	95	F9

Note: other specification can be customized according to requirements.

Electrostatic Filter Media



Features

- Corona static electricity improves the filtration efficiency and is high;
- Three dimensional reticular structure;
- Fluffy and high porosity;
- Low resistance and large dust capacity.

Application

- Medium efficiency filter material is a special material for medium efficiency paper frame filter.

Technical parameters

Main material	Polypropylene Microfiber	Flame retardant grade	F1(DIN 53438)、B1(GB/T 17591-2006)
Filtration Class	M5、M6、F7、F8、F9(EN779)	Temperature resistance	≤80°C
Final resistance	250Pa(Suggestion)	Temp. Short peak	100°C
Filter object	Coarse dust and foreign matters ≥1μm	Humidity resistance (relative humidity)	≤100%RH

Specification

Model	Width (m)	Thickness (mm)	Weight (g/m^2)	I.N.P (Pa)	Air permeability ($L/M^2 \cdot S$)	EFF. (%)	Filtration class
E05	≤3	0.8±0.2	45±5	2	≥5000	50	M5
E06	≤3	1.1±0.2	60±5	3	≥3000	65	M6
E07	≤3	1.2±0.2	80±5	4	≥2500	80	F7
E08	≤3	1.5±0.2	110±5	5	≥2200	90	F8
E09	≤3	1.8±0.2	180±5	7	≥1500	95	F9

Note: other specification can be customized according to requirements.

Pleated Media With Laminated Metal Mesh



Features

- Low resistance;
- The air outlet surface is compounded with a layer of metal mesh or rigid plastic mesh;
- High stiffness of materials;
- Good shaping effect after folding;
- No deformation when used under large air volume.

Application

- Special raw materials for paper frame filter can also be used for plate filter with coarse and medium efficiency.

Specification

Nonwoven Pleated Material

Model	Filtration class	EFF. (%)	Filter object	Thickness (mm)	Weight (g/㎡)	I.N.P (Pa)	F.N.P (Pa)	Rated wind speed (m/s)	Material
MSF04	G4	95	⩾5μm	3±1	260±10	15±2	200	1	PE Nonwoven
MSF05	M5	45	⩾1μm	3±1	230±10	7±2	200	1	PE+PP
MSF06	M6	65	⩾1μm	3±1	240±10	11±2	250	1	PE+PP
MSF07	F7	85	⩾1μm	3±1	250±10	16±2	250	1	PE+PP
MSF08	F8	90	⩾1μm	3±1	260±10	23±2	250	1	PE+PP
MSF09	F9	95	⩾1μm	3±1	270±10	28±2	300	1	PE+PP

Electrostatic Pleated Material

Model	Filtration class	EFF. (%)	Filter object	Thickness (mm)	Weight (g/㎡)	I.N.P (Pa)	F.N.P (Pa)	Rated wind speed (m/s)	Material
ME05	M5	45	⩾1μm	1.0±0.2	200±10	3	300	1	Electrostatic Needle-punched Filter Media
ME06	M6	65	⩾1μm	1.1±0.2	210±10	4	300	1	Electrostatic Needle-punched Filter Media
ME07	F7	85	⩾1μm	1.2±0.2	230±10	6	300	1	Electrostatic Needle-punched Filter Media
ME08	F8	90	⩾1μm	1.5±0.2	260±10	7	350	1	Electrostatic Needle-punched Filter Media
ME09	F9	95	⩾1μm	1.8±0.2	280±10	9	350	1	Electrostatic Needle-punched Filter Media

Activated Carbon Pleated Material

Model	Filtration class	EFF. (%)	Filter object	Thickness (mm)	Weight (g/㎡)	I.N.P (Pa)	Benzene adsorption	Deodorization performance (30 minutes)	Material
MAC	G4	95	⩾5μm	3±1	400±10	20	>90%	>95%	Activated carbon media

Note: other specification can be customized according to requirements.



Features

- Uniform texture, double-layer filter material structure, layered filtration;
- Stable chemical and physical properties and strong corrosion resistance;
- High filtration efficiency and low resistance;
- Large specific surface area and high dust capacity;
- High hydrophobicity, excellent water and moisture resistance;
- Large expansion strength and high filter material stiffness;
- The fluctuation of banner quantitative and vertical quantitative is very small;
- High temperature resistance, can be used in high temperature environment within 250 °C.

Application

- It is the raw material for the production of diaphragm filter, non diaphragm filter, combined filter and high-efficiency HEPA filter.

Technical parameters

Main material	Superfine glass fiber	Temperature resistance	⩽300°C
Filtration class	F6-U15	Temp. Short Peak	⩽350°C

Specification

Model	Filtration Class	EFF. (0.3@5.3cm/s)	Ration (g/m^2)	Thickness (mm)	I.N.P (Pa)	Longitudinal tensile strength (MD)	Transverse tensile strength (CD)	Water resistance in h_20	Stiffness (mg)
HGF04	G4	⩾8%	50±5	0.3±0.04	⩽5Pa	⩾2.0	⩾0.8	-	⩾600
HGF05	M5	⩾10%	65±5	0.37±0.04	⩽6Pa	⩾1.5	⩾0.6	-	⩾1000
HGF06	M6	⩾20%	75±5	0.46±0.04	⩽10Pa	⩾1.5	⩾0.6	⩾200	⩾1000
HGF07	F7	⩾45%	75±5	0.39±0.04	⩽25Pa	⩾1.5	⩾0.6	⩾380	⩾1000
HGF08	F8	⩾60%	75±5	0.39±0.04	⩽40Pa	⩾1.5	⩾0.6	⩾380	⩾1000
HGF09	F9	⩾75%	75±5	0.39±0.04	⩽65Pa	⩾1.5	⩾0.6	⩾380	⩾1000
HGF10	E10	⩾94%	75±5	0.39±0.04	⩽110Pa	⩾1.5	⩾0.6	⩾650	⩾1000
HGF11	E11	⩾97%	75±5	0.39±0.04	⩽160Pa	⩾1.5	⩾0.6	⩾750	⩾1000
HGF12	E12	⩾99.8%	75±5	0.39±0.04	⩽215Pa	⩾1.5	⩾0.6	⩾1000	⩾1000
HGF13	H13	⩾99.97%	75±5	0.39±0.04	⩽255Pa	⩾1.5	⩾0.6	⩾1000	⩾1000
HGF14	H14	⩾99.996%	75±5	0.39±0.04	⩽335Pa	⩾1.5	⩾0.6	⩾1000	⩾1000
HGF15	U15	⩾99.9991%	75±5	0.39±0.04	⩽375Pa	⩾1.5	⩾0.6	⩾1000	⩾1000

Note: other specification can be customized according to requirements.

ePTFE High-Efficiency Composite Filter Paper



Features

- Low wind resistance and high retention rate. Excellent resistance-to-efficiency ratio; PF value: ⩾28@5.3cm/s@0.15umD0P (tested by TS13160 test instrument).
- Compared with glass fiber and electret filter materials, ePTFE high-efficiency filter paper better achieves the balance between wind resistance and interception rate.
- Boron-free, phosphorus-free, impurity-free, low volatile gas (loWoffgassing).
- Superior chemical resistance, superb resistance to acids (e.g., hydrofluoric acid HF), alkalis and organic solvents.
- Superior moisture resistance, superb waterproofness, superior mechanical strength and durability.

Application

- Polytetrafluoroethylene (ePTFE) material has excellent high temperature resistance, chemical resistance, non-adhesiveness and hydrophobicity. The ePTFE microporous membrane is prepared by a biaxial stretching process. It has a microporous structure with staggered node fibers, high porosity, small and uniform pore size. Therefore, the ePTFE microporous membrane can achieve higher efficiency at lower resistance. The ePTFE high-efficiency filter paper is made of high-efficiency ePTFE microporous film and non-woven fabric thermal composite. It has a reliable filtration level of E10-U16, low wind resistance, low energy consumption, and is widely used in semiconductors, electronics, flat panel displays, photovoltaics and other industries.

Model	Filtration Class	EFF. (0.3@5.3cm/s)	Ration (g/m^2)	Thickness (mm)	I.N.P (Pa)	Number Of Layers
FEP10	E10	⩾85%	80±10	0.4±0.1	18⩽INP⩽45	3
FEP11	E11	⩾95%	80±10	0.4±0.1	35⩽INP⩽70	3
FEP12	E12	⩾99.5%	80±10	0.4±0.1	60⩽INP⩽100	3
FEP13	H13	⩾99.95%	80±10	0.4±0.1	95⩽INP⩽140	3
FEP14	H14	⩾99.995%	80±10	0.4±0.1	140⩽INP⩽190	3
FEP15	U15	⩾99.9997%	80±10	0.4±0.1	240⩽INP⩽300	3
FEP16	U16	⩾99.99992%	80±10	0.4±0.1	310⩽INP⩽390	3

Note: other specification can be customized according to requirements.

Nanofiber Composite Filter Paper



Features

- The nanofiber composite filter material is produced using self-developed electrospinning equipment. The prepared nanofibers have extremely small fiber diameters and pore sizes, and extremely high porosity, which makes them have high pure physical filtration efficiency, extremely low air resistance, and high dust holding capacity.
- Minimum filtration efficiency guarantee to avoid a significant attenuation of efficiency and ensure safety.
- Low resistance, and compared with glass fiber materials of the same level, the resistance is reduced by more than 30%.
- High dust holding capacity and long service life and extremely high tensile strength, which is not easy to break and resistant to high humidity with stable water vapor filtration performance

Application

- One of the raw materials for the production of non-partition filters, combined filters, and high-efficiency HEPA filters. It can effectively remove harmful substances such as tiny particles, bacteria, viruses, etc. in the air. It is widely used in semiconductors, biopharmaceuticals, lithium batteries, photovoltaics, animal husbandry and other industries.

Technical parameters

Model	Filtration Class	EFF. (0.3@5.3cm/s)	Ration (g/m^2)	Thickness (mm)	I.N.P (Pa)	Air breathability	Stiffness (mg)
FEP9	F9	⩾70%	85±5	0.55±0.05	35±4	350±30	⩾400
FEP10	E10	⩾85%	85±5	0.55±0.05	40±4	300±30	⩾400
FEP11	E11	⩾95%	85±5	0.55±0.05	47±4	260±30	⩾400
FEP12	E12	⩾99.5%	85±5	0.55±0.05	55±4	210±30	⩾400
FEP13	H13	⩾99.95%	120±5	0.65±0.05	⩽180	-	⩾400
FEP14	H14	⩾99.995%	120±5	0.55±0.05	⩽230	-	⩾400

Note: other specification can be customized according to requirements.

Polypropylene Filter Paper



Features

- The product has high expansion strength, high stiffness and high damage resistance;
- Non-toxic, tasteless and environmentally friendly;
- The electret is stable and the electrostatic field is stable;
- High flame retardancy;
- Good oil immersion, heat preservation, water repellency, not easy to grow molds;
- Acid and corrosion resistance, high melting point (170 degrees);

Application

- It is the raw material for the production of Mini pleat HEPA filters, Compact filters, and HEPA filters.

Technical parameters

Main material	Polypropylene (PP)	Temperature resistance	⩽150°C
Filtration class	F5-E11	Temp. Short Peak	⩽170°C

Specifications

Model	Filtration class	EFF. (%)	Filter object	Thickness (mm)	Weight (g/m^2)	I.N.P (Pa)	Stiffness (mg)
HPP05	M5	50%	⩾0.3μm	0.55±0.05	85±5	7±2	180
HPP06	M6	60%	⩾0.3μm	0.6±0.05	85±5	10±2	190
HPP07	F7	80%	⩾0.3μm	0.6±0.05	90±5	20±2	220
HPP08	F8	90%	⩾0.3μm	0.55±0.05	95±5	45±2	360
HPP09	F9	95%	⩾0.3μm	0.55±0.05	100±5	60±2	420
HPP10	E10	98%	⩾0.3μm	0.55±0.05	110±5	110±2	490
HPP11	E11	99%	⩾0.3μm	0.65±0.05	120±5	120±2	710

Note: other specification can be customized according to requirements.

Composite PP Filter Paper



Features

- High strength and high stiffness;
- Lower resistance under the same efficiency (below 20%);
- With dual structure, large dust holding capacity and long service life;
- Non-toxic, tasteless and environmentally friendly.

Application

- It is the raw material for the production of Mini pleat HEPA filters, Compact filters, and HEPA filters;
  It has high strength and is a high-quality material for PP material filters with high folding height (above 100mm).

Technical parameters

Main material	Polypropylene (PP) + Polyester (PET)	Temperature resistance	⩽100°C
Filtration class	M5-H13	Temp. Short Peak	⩽120°C

Specifications

Model	Filtration class	EFF.(%)	Filter object	Thickness (mm)	Weight (g/m^2)	I.N.P (Pa)	Stiffness (mg)
Standard Type							
CPP05	M5	45	⩾0.3μm	0.5±0.05	85±5	8	⩾400
CPP06	M6	65	⩾0.3μm	0.5±0.05	85±5	10	⩾400
CPP07	F7	85	⩾0.3μm	0.55±0.05	90±5	20	⩾400
CPP08	F8	95	⩾0.3μm	0.55±0.05	90±5	25	⩾400
CPP09	F9	98	⩾0.3μm	0.55±0.05	90±5	30	⩾400
CPP10	E10	98.5	⩾0.3μm	0.55±0.05	90±5	35	⩾400
Efficient and Low Resistance Type							
CPP11	E11	99	⩾0.3μm	0.55±0.05	90±5	16	⩾400
CPP12	H12	99.5	⩾0.3μm	0.55±0.05	90±5	24	⩾400
CPP13	H13	99.95	⩾0.3μm	0.75±0.05	110±5	38	⩾400

Note: other specification can be customized according to requirements.



Features

- Low ash content and less impurities;
- The gas adsorption value and CTC value are absolutely dominant;
- The void structure is developed and the specific area is large;
- Strong adsorption capacity and high mechanical strength;
- Low resistance and good chemical stability;
- Easy to regenerate and durable;
- The pore size distribution is reasonable to achieve the maximum adsorption and desorption;
- Long using life;

Application

- It is suitable for exhaust gas filtration and dust filtration in various ventilation systems, air conditioning systems and dust removal systems, and can also be used for water purification or gasoline recovery;

Technical parameters

Main material	High-quality coal, Coconut shell, Wood chips, etc.
Filter objects	All kinds of harmful gases
Humidity resistance (relative humidity)	⩽80%

Specifications

Model	Diameter (mm)	Iodine (mg/g)	Specific surface area (m^2/g)	CTC (%)	Bulk density (g/cm^3)	Benzene (%)	Floating rate	Methylene blue (ml/g)	Ash (%)	Strength (%)
AC30CL	3±0.5	300-800	⩾900	50-70	350-550	⩾60	⩽3	⩾12	⩽4	95
AC40CL	4±0.5	300-800	⩾900	50-70	350-550	⩾60	⩽3	⩾12	⩽4	95
AC50CL	5±0.5	300-800	⩾900	50-70	350-550	⩾60	⩽3	⩾12	⩽4	95
RT-AC100CL	10±0.5	300-800	⩾900	50-70	350-550	⩾60	⩽3	⩾12	⩽4	95

Note: other specification can be customized according to requirements.

Coconut Shell Activated Carbon Pellet



Features

- Low ash content and less impurities;
- The gas adsorption value and CTC value are absolutely dominant;
- The void structure is developed and the specific area is large;
- Strong adsorption capacity and high mechanical strength;
- Low resistance and good chemical stability;
- Easy to regenerate and durable;
- The pore size distribution is reasonable to achieve the maximum adsorption and desorption;
- Long using life;

Application

- It is suitable for exhaust gas filtration and dust filtration in various ventilation systems, air conditioning systems and dust removal systems. It can also be used for water purification, gasoline recovery,Food discoloration, etc.

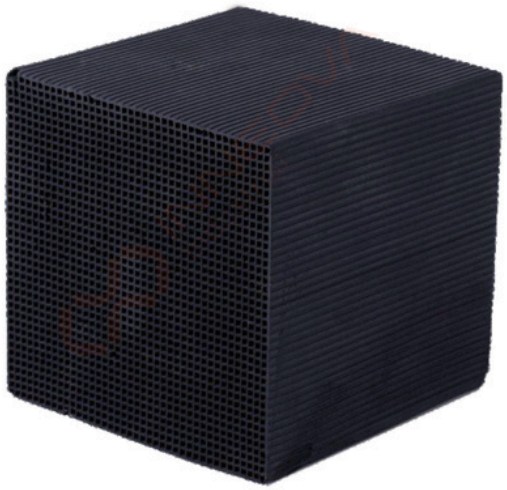
Technical parameters

Main material	High-quality coal, Coconut shell, Wood chips, etc.
Filter objects	All kinds of harmful gases
Humidity resistance (relative humidity)	⩽80%

Specifications

Model	Granularity (mm)	Iodine (mg/g)	Specific surface area (m^2/g)	CTC (%)	strength (%)	Benzene (%)	Methylene blue (ml/g)	Moisture (%)	Ash (%)	Packing density (g/l)
AC700CC	4~8、6~12、8~16、10~20、20~40、40~80、80~330	⩾600	⩾900	⩾50	98	⩾60	⩾10	⩽8	⩽5	550-650
AC800CC		⩾700	⩾950	⩾55	98	⩾65	≥10	⩽8	⩽4	550-650
AC900CC		⩾800	⩾1000	⩾60	97	⩾70	⩾11	⩽8	⩽4	550-650
AC1000CC		⩾900	⩾1100	⩾65	97	⩾75	⩾11	⩽8	⩽3	550-650
AC1100CC		⩾1000	⩾1200	⩾70	97	⩾80	⩾11	⩽8	⩽2.5	550-650
AC1200CC		⩾1100	⩾1250	⩾80	95	⩾85	⩾12	⩽8	⩽2.5	550-650
AC1500CC		⩾1200	⩾1300	⩾90	95	⩾90	⩾12	⩽5	⩽2.5	550-650
AC1600CC		⩾1300	⩾1350	⩾95	95	⩾95	⩾13	⩽5	⩽2.5	550-650

Note: other specification can be customized according to requirements.



Features

- Large specific surface area;
- Small through hole resistance;
- Developed micropores and high adsorption capacity;
- long service life;
- It is widely used in air pollution control;
- Low ash content, less impurities, gas phase adsorption value and CTC value dominate;
- The pore size distribution of the product is reasonable to achieve the maximum adsorption and desorption;

Application

- It is suitable for exhaust gas filtration in various ventilation systems, air conditioning systems and dust removal systems, or indoor purification of odorous or toxic gas spaces.

Technical parameters

Main material	High-quality coal activated carbon
Filter objects	All kinds of harmful gases
Humidity resistance (relative humidity)	⩽80%

Specifications

Model	Aperture (mm)	Iodine (mg/g)	Specific surface area (m^2/g)	CTC (%)	Benzene (%)	Moisture (%)	Ash content (%)	Bulk density (g/cm^3)	Positive pressure strength (MPa)	Lateral compressive strength (MPa)
AC400HC	1.5 / 3.0 / 5.0 / 8.0 (Waterproof and non-waterproof type)	⩾400	⩾600	⩾35	⩾50	⩽5	⩽5	0.35-0.55	0.8	0.3
AC500HC		⩾500	⩾700	⩾40	⩾55	⩽5	⩽4	0.35-0.55	0.8	0.3
AC600HC		⩾600	⩾800	⩾50	⩾60	⩽5	⩽4	0.35-0.55	0.8	0.3
AC700HC		⩾700	⩾900	⩾55	⩾65	⩽5	⩽3	0.35-0.55	0.8	0.3
AC800HC		⩾800	⩾1000	⩾60	⩾70	⩽5	⩽2.5	0.35-0.55	0.8	0.3
AC900HC		⩾900	⩾1150	⩾65	⩾75	⩽5	⩽2.5	0.35-0.55	0.8	0.3
AC1000HC		⩾1000	⩾1200	⩾70	⩾80	⩽5	⩽2.5	0.35-0.55	0.8	0.3
AC1100HC		⩾1100	⩾1300	⩾80	⩾85	⩽5	⩽2.5	0.35-0.55	0.8	0.3

Note: other specification can be customized according to requirements.

Activated Carbon Synthetic Fiber Media



Features

- Rich pore structure and large specific surface area;
- Strong adsorption capacity for harmful gases such as formaldehyde and toluene;
- Good deodorizing effect;
- Good chemical stability and high mechanical strength;
- Good formability and low airflow resistance;
- Small resistance and large dust holding capacity;

Application

- It is suitable for exhaust gas filtration and dust filtration in various ventilation systems, air conditioning systems and dust removal systems, and can also be used for water purification;

Technical parameters

Main material	Polyester fiber (PET) + Powdered activated carbon	Temperature resistance	⩽100°C
Filtration class	G3-G4(EN779)	Temp. Short Peak	120°C
Flame retardant grade	All kinds of harmful gases	Humidity resistance (relative humidity)	⩽80%RH

Specifications

Model	Size	Weight (g/m^2)	Carbon content (g/m^2)	I.N.P (Pa)	F.N.P (Pa)	Adsorption rate	Deodorizatio performance (30 minutes)	Dust holding capacity (g/m^2)	EFF. (⩾5μm)
AC02SF	1m*50m*2mm 1.25m*50m*2mm	150	75	20	250	90%	>95%	300	90%
AC03SF	1m*50m*3mm 1.25m*50m*3mm	180	90	25	250	90%	>95%	350	90%
AC05SF	1m*50m*5mm 1.25m*50m*5mm	250	125	28	250	90%	>95%	550	95%
AC08SF	1m*20m*8mm 1.25m*20m*8mm	300	150	30	250	90%	>95%	580	95%
AC10SF	1m*20m*10mm 1.25m*20m*10mm	350	175	35	250	95%	>95%	600	98%
AC15SF	1m*20m*15mm 1.25m*20m*15mm	450	225	40	300	95%	>95%	650	99%
AC20SF	1m*20m*15mm 1.25m*20m*15mm	600	300	55	350	98%	>98%	700	99%

Equilibrium adsorption capacity of toxic gas (mg/g)											
Formaldehyde	Aether	Carbinol	Toluol	Xylene	Chloroform	Chloroform	Petrol	Ammonia Water	Sulfureted Hydrogen	Sulfur Dioxide	Hydrogen Chloride
320	470	260	320	290	530	230	290	290	1060	830	450

Activated Carbon Sponge Media



Features

- Has good dust collection and dust removal functions;
- Has good adsorption effect and strong adsorption capacity;
- High mechanical strength, low resistance, good chemical stability.

Application

- It is suitable for exhaust gas filtration and dust filtration in various ventilation systems, air conditioning systems and dust removal systems, and can also be used for water purification.

Technical parameters

Main material	Foam + powdered activated carbon
Filter objects	All kinds of harmful gases
Humidity resistance (relative humidity)	⩽80%
Filtration class	G3-G4(EN779)
Final resistance	300Pa (suggestion)

Specifications

Model	Length (m)	Width (m)	Thickness (mm)	Hole density (PPI)	Carbon content (%)	Adsorption rate (%)	Deodorization performance % (30 minutes)	Dust holding capacity (g/m^2)	Temper-ature (°C)
ACSP	1.0 1.5 2.0	⩽2	customize	10-60	⩾50	90-98	>95	>400	80
ACSFP	1.0 1.5 2.0	⩽2	customize	10-60	⩾50	90-98	>95	>400	120
SP	1.0 1.5 2.0	⩽2	customize	10-60	-	-	-	>400	80
FSP	1.0 1.5 2.0	⩽2	customize	10-60	-	-	-	>400	120

Note: other specification can be customized according to requirements.



Features

- High carbon content;
- Good adsorption effect;
- Large dust holding capacity;
- Long using life;
- Low resistance.

Application

- It is suitable for exhaust gas filtration in various ventilation systems, air conditioning systems and dust removal systems, or purification of indoor odors or toxic gases, or filter materials for household or commercial filters.

Technical parameters

Main material	Coconut shell activated carbon powder + non-woven
Filter objects	All kinds of harmful gases
Humidity resistance (relative humidity)	⩽80%
Filtration class	G4
Final resistance	300Pa (suggestion)

Specifications

Model	Weight (g/㎡)	Thickness (mm)	Carbon content (%)	I.N.P (pa)	Adsorption rate (%)	Deodorization performance % (30 minutes)	Dust holding capacity (g/m2)	Air perme-ability (L/㎡/s)	EFF.	Filtration Class
ACNW04	400±30	1.0±0.2	250	30	>95%	>95%	220	800	>95% @10μm	G4
ACNW05	280±30	1.1±0.2	150	40	>95%	>95%	180	500	>40% @1μm	M5-F9
ACNW10	280±30	1.1±0.2	150	55	>95%	>95%	180	/	>85%@0.3μm	E10-E12
ACNW13	260±10	1.1±0.2	150	75	>95%	>95%	180	/	>99.95% @0.3μm	H13

Note: other specification can be customized according to requirements.