



FILTRATION SOLUTIONS

Filtration solutions you can rely on

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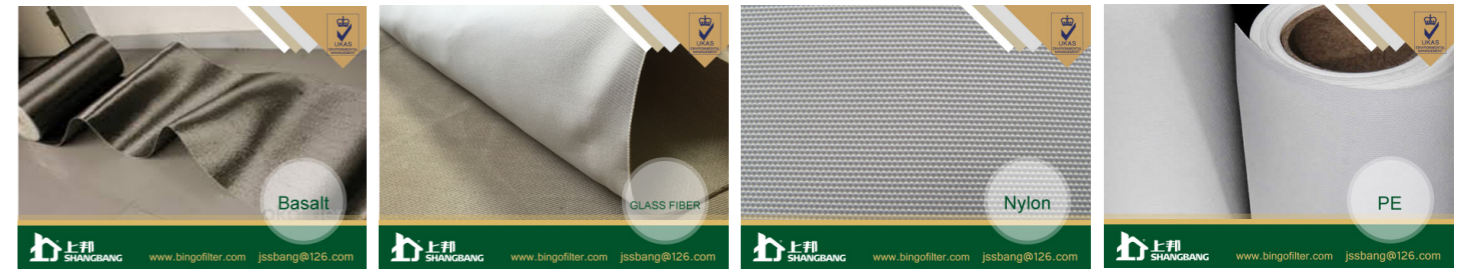
High Filtration Durable Economical

Jiangsu Shangbang Environmental Technology CO., Ltd is a high tech enterprise equipped with filter material research and manufacture, design of industry dedust system, equipment manufacture and service operation management. Sbang has made its name by creating innovative, technology-driven solutions, from high performance filter medias to equipment.

Needle Punched Felt



Filter Cloth



Filter Bag



Filter Bag Cage & Sewing Thread



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Economical and environmental is what we do!

DESCRIPTION

A 125°C maximum service temperature, Acrylic Needle Felt is mainly used in the detergent, waste incinerators, asphalt, dance spray dryer, coal mill and power plant, reducing environmental pollution.

FEATUERS & BENEFITS

- Excellent anti-acid and alkali: PH ranges from 3-11
- High Filtration Efficiency: reach to 99.5%
- Hydrolysis Stability
- Variety of finish treatments

- Stable working time: up to more than 3000 hours. Could be used cyclically

APPLICATIONS

- **Chemicals Processing:** Dryer baghouses, glass, and fiber optics manufacturing.
- **Metals Processing:** Baghouses in the lead and base metals production industries.
- **Power Generation:** Baghouses in coal-fired utilities.

TECHNICAL DATA

Weight	500 g/m ²
Fiber Content	Acrylic
Felt Scrim	Acrylic, Polyester
Continuous Operating Temperature	125°C
Maximum Surge Temperature	140°C
Acid Resistance	Excellent
Alkali Resistance	Good
Hydrolysis Stability	Excellent
Breaking Strength	
Air permeability m ³ / m ² *min	7.6-10.7
Width	Maximum 2.2m
• Warp	1000 N/5 cm
• Fill	1100 N/5 cm
Finish treatment	Singeing, Calendering, Heat setting
	Oil & water resistance, Dipping

All data expressed as typical values. This technical data is subject to change. Please contact Jiangsu Shangbang Environmental Technology CO., Ltd directly to confirm current information.

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DESCRIPTION

A 204°C maximum service temperature, the fabrics of Aramid Needle Felt is not flammable nor ignition, suitable for high temperature environment.

FEATUERS & BENEFITS

- Shangbang technology provides an excellent combination of filtration efficiency and dust release.
- Shangbang polytetrafluoroethylene scrim offers superior chemical resistance and excellent dimensional stability.
- Unique acid-resistant treatment reduces the detrimental effects of moisture and acids.

APPLICATIONS

- **Chemicals Processing:** Dryers, bin vents, and nuisance dust collectors in the pigment, plastic, and catalyst industries.
- **Minerals Processing:** Clinker coolers.
- **Metals Processing:** Process venting dust collectors for base metal kiln applications.

TECHNICAL DATA

Weight	550 g/m ² (500-600)
Fiber Content	100% Virgin Aramid
Felt Scrim	Aramid / PTFE / Fiberglass
Continuous Operating Temperature	180°C
Maximum Surge Temperature	204°C
Acid Resistance	Excellent
Alkali Resistance	Good
Breaking Strength	
• Warp	800-1000 N/5 cm
• Fill	1000-1200 N/5 cm
Thickness	2.0-2.2 mm
Width	Maximum 2.2m
Finish Treatment	Singed, Calendering, Heat setting, Membrane
	Oil & water resistance, Dipping
Flame-Resistance Testing ASTM D 6413-08	
• After Flame	0 seconds
• After Glow	35.1 seconds
• Char Length	1.1 inches

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SHANGBANG FILTER MEDIA

Acid-Resistant Aramid Felt
1000g/m²

DESCRIPTION

A 240°C maximum service temperature, Fiberglass is a conventional filter material and also the high temperature flue gas dust removal in the most widely used media .

- Low resistance of filtration

- Fiberglass has outstanding dimensional stability , high tensile strength at break , corrosion resistance , smooth surface , good water-repellent , breathable, easy cleaning , chemical stability

FEATUERS & BENEFITS

- Long Service Life: >4500 hours;
- Single fiber, high porosity, gas filtration resistance
- Excellent Anti-Acid And Anti-Alkali
- High Temperature Resistance:240-280°C/464-536°F
- Abrasion resistance, high tensile strength
- Low resistance of filtration

APPLICATIONS

- **Chemicals Industry:** Carbon black.
- **Energy Production:** Tire incinerators and coal-fired boilers.
- **Metals Industry:** Ferro-alloy and iron and steel plant furnaces.
- **Minerals Industry:** Cement and lime kilns.

TECHNICAL DATA

Weight:	1000g/m ² ±10%
Fiber Content	Fiberglass
Felt Scrim	Fiberglass
Continuous Operating Temperature	260°C
Maximum Surge Temperature	280°C
Acid Resistance	Excellent
Alkali Resistance	Fair
Hydrolysis Stability	Fair
Breaking Strength	
• Machine Direction	1600 N/5 cm
• Cross-Machine Direction	1800 N/5 cm
Air permeability m / m ² *min	12-13
Width	Maximum 2.2m
Finish treatment	Singed, Calendering, Heat setting Dipping, Membrane, coating

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SHANGBANG FILTER MEDIA

P84 Felt
550g/m²

DESCRIPTION

A 280°C maximum service temperature, P84 has excellent overall performance , with a high temperature levels , filtered , good acid and alkali resistance , and many other advantages. It can be used in high temperature environments cement kiln , waste incineration , power plants .

FEATUERS & BENEFITS

- High-efficiency filtration : reach to 99.6%
- Long service life: >6000 hours
- Excellent micro-powder collection efficiency and smaller operating press

- Low back washing pressure, maximum flexibility, excellent dust cake release
- Variety of finish treatments: PTFE Coating, PTFE Membrane, PTFE Impregnation

APPLICATIONS

- **Chemicals Processing:** Dryers, bin vents, and nuisance dust collectors in the pigment, plastic, and catalyst industries.
- **Metallurgy Industry:**
- **Metals Processing:** Process venting dust collectors for base metal kiln applications.

TECHNICAL DATA

Weight	550 g/m ²
Fiber Content	P84
Felt Scrim	P84
Continuous Operating Temperature	240°C
Maximum Surge Temperature	260°C
Acid Resistanc	Excellent
Alkali Resistance	Excellent
Hydrolysis Stability	Excellent
Breaking Strength	
• Warp	1100N/5 cm
• Fill	1200 N/5 cm
Thickness	2.0 mm
Finish treatment	Singed, Calendering, Heat setting

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SHANGBANG FILTER MEDIA

Polyester Felt
500g/m²

DESCRIPTION

A 130°C maximum service temperature, PE needle punched felt can be mixed. So you can choose pure PE needle felt, PE blending needle felt, anti-static needle felt and water and oil proof needle felt.

FEATUERS & BENEFITS

- High Durability membrane technology provides an excellent combination of filtration efficiency, airflow, and durability.
- Polyester fibers provide good all-around chemical resistance, especially in applications operated below 79°C
- Available in top, bottom, and horizontal loading configurations.

- Withstands pressure drop up to 6.2 kPa (25 inches water gauge).

APPLICATIONS

- **Chemicals Processing:** Dryers, bin vents, and nuisance dust collectors in the pigment, plastic, and catalyst industries.
- **Minerals Processing:** Finish mill, bulk loading, ship off-loaders, and bin vent dust collectors.
- **Metals Processing:** Material handling for coal and limestone. Process venting dust collectors in the lead, lead oxide, and iron and steel industries. Fume and bulk handling systems in coke production, and sand reclamation systems in foundries.

TECHNICAL DATA

Weight	500g/m ² ±10% g/m ² (350-650)
Fiber Content	Polyester
Felt Scrim	Polyester
Continuous Operating Temperature	130°C
Maximum Surge Temperature	150°C
Acid Resistance	Fair
Alkali Resistance	Fair
Hydrolysis Stability	Fair
Breaking Strength	
• Machine Direction	1000 N/5 cm
• Cross-Machine Direction	1100 N/5 cm
Thickness	1.35-2.40 mm
Air permeability m ³ /m ² *min	7.6-20
Width	Maximum 2.2m
Finish Treatment	Singed, Calendering, Heat setting, Membrane

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SHANGBANG FILTER MEDIA

Polypropylene Felt
500g/m²

DESCRIPTION

A 90°C maximum service temperature, PP filter has high filtration efficiency, low pressure loss, stable filtration efficiency, long life, low cost filter, safety, adaptability.

FEATUERS & BENEFITS

- Low temperature resistance (88-120 °C)
- Polypropylene fibers provide excellent acid and alkali resistance.

TECHNICAL DATA

Weight	500 g/m ² (400-800)
Fiber Content	Polypropylene
Felt Scrim	Polypropylene
Continuous Operating Temperature	90°C
Maximum Surge Temperature	105°C
Acid Resistance	Fair
Alkali Resistance	Fair
Hydrolysis Stability	Excellent
Breaking Strength	
• Machine Direction	445 N/5 cm
• Cross-Machine Direction	1113 N/5 cm
Thickness	1.0-2.2 mm
Width	Maximum 2.2m
Air permeability m ³ /m ² *min	7.6-10.7
Finish treatment	Singed, Calendering, Heat setting

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SHANGBANG FILTER MEDIA

PPS Felt
550g/m²

DESCRIPTION

A 190°C maximum service temperature, PPS has good chemical stability, wide temperature range, resistance to atmospheric aging, better radiation resistance, low permeability and many other performance advantages.

FEATUERS & BENEFITS

- High efficiency filtration
- Sulfur fumes or sulfur oxides in fuel can be used
- Very easy to be oxidized in sunshine
- Suitable for high humidity, high concentration, flue dust containing chemical ingredients

TECHNICAL DATA

Weight	550g/m ² (500-600)
Fiber Content	PPS
Felt Scrim	PPS/PTFE/Fiberglass
Continuous Operating Temperature	160°C
Maximum Surge Temperature	190°C
Acid Resistance	Good
Alkali Resistance	Excellent
Hydrolysis Stability	Fair
Breaking Strength	
• Machine Direction	800-1000 N/5 cm
• Cross-Machine Direction	900-1200 N/5 cm
Thickness	1.8mm
Width	Maximum 2.2m
Air Permeability (L/m ² .s)	200-300
Finish Treatment	Singeing, Calendering, Heat setting, Membrane

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SHANGBANG FILTER MEDIA

PTFE Felt
750g/m²

DESCRIPTION

A 260°C maximum service temperature, PTFE (Teflon) Needle Felt is one of the most excellent chemical fiber fabric. This material has acid-alkali resistance of various characteristics of organic solvents, almost insoluble in all solvents.

FEATUERS & BENEFITS

- Shangbang high durability membrane technology provides an excellent combination of filtration efficiency, airflow, and durability.
- Chemically inert providing the highest all-around chemical resistance and maximum felt life.
- Constructed using a woven scrim that provides excellent dimensional stability, extended flex life, and resistance to mechanical damage over the life of the filter.

TECHNICAL DATA

Weight	750 g/m ²
Fiber Content	PTFE
Felt Scrim	PTFE
Continuous Operating Temperature	260°C
Maximum Surge Temperature	280°C
Acid Resistance	Excellent
Alkali Resistance	Excellent
Breaking Strength	
• Warp	1000 N/5 cm
• Fill	1200 N/5 cm
Thickness	1.5 mm
Finish Treatment	Membrane
Durability	Good

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