

● Why choose DwHB?



Factory Experience

More than 16 years in filtration production



Site Experience

Rich experience in site installation
Know your requirements better



Full Sizes of Filter Bags and Cages

Customize for different working conditions



OEM/ODM

Customize your own brand



High Quality & Factory Price & Excellent Service

Same price, higher quality
Same quality, lower cost



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Jiangsu Dongwang Environmental Protection Technology Group Co., Ltd.

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Speech by Chairman

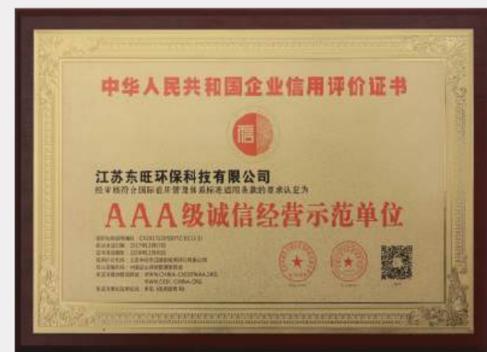
Sincerely thank all friends paying close attention to Dongwang. Due to your understanding, trust, care and support, Jiangsu Dongwang Environmental Protection Technology Group Co., Ltd. is developing stably.

At present, DwHB is insisting on the spirit of “integrity, firmness and innovation”, continuously surpassing itself, conquering itself and rebuilding itself to improve competitiveness of the enterprise. On the development path in the future, Dongwang will live up to expectations and persist on making efforts to make contribution to environmental protection undertakings.

We are willing to join hands and unite with all friends to endeavor to jointly create a beautiful future!

Honors of the Company

DONG WANG



Keep Improving

精益求精

Quality Foremost

品质至上



Company Profile

Jiangsu Dongwang Environmental Protection Technology Group Co, Ltd., formerly known as "Yancheng Dongwang Environmental Protection", established in May 2008 with a registered capital of only 500,000 yuan. The company was officially changed to its current name in April 2013, with a registered capital of 68 million, a land area of about 30,000 square meters and plant area of 23,000 square meters. It has more than 100 employees, including more than 30 professionals.

DwHB is a large scale enterprise that independently develops environmental protection equipment and specializes in the production of needle punched filter felt, filter bags and filter cages. Dongwang has hundreds of newly advanced equipment, including one international advanced Andritz PTFE production line, four full automatic bag cage production lines, one set of filter cage wires stretching machine, one set of the most advanced bag cage organosilicon spraying equipment in China, eight full automatic filter bag sewing production lines, three pleated filter bag production lines, two automatic hanging filter bags systems, two high temperature punched felt production lines and two normal temperature punched felt production lines, two sets of large heat setting equipment, one set of automatic electromagnetic rolling PTFE film laminating machine, one set of normal, medium and high temperature singeing, calendaring and laminating machine, one set of automatic stainless steel bag mouth ring machine, four sets of filter cartridge production lines, and one set of advanced filter cloth testing instrument. Funing County is the largest production base of filter material industry in China. At present, Dongwang ranks among the top five in Funing. With efficient production management, perfect network sales and after-sales service, the company has more than 10 offices in major regions.

DwHB has strong economic strength, professional technical team, advanced production

equipment and perfect quality assurance of testing instruments. DwHB obtained ISO9001, ISO45001, ISO14001 certificate, and obtained National Environmental Label Product Certification in 2015. It was approved as National High-Tech Enterprise in 2019, obtained the certificate of Yancheng Environmental Protection Engineering Technology Research Center in 2021, rated as a Specialized, Refined, and Innovative Enterprise in Jiangsu Province in 2023, and has more than 10 national patents. It is one of the designated environmental protection filter material enterprises in Jiangsu Province.

The company's main products include industrial filter cloth, dust filter bag, liquid filter cloth and filter bag, framework series products, dust collector supporting series, electromagnetic pulse valve supporting series, filter cartridge supporting series products, etc.

The products are widely used in power plants, iron and steel, metallurgy, copper and aluminum, cement, chemical industry, mining furnaces, carbon black asphalt mixing, supplying heating, waste incineration, glass, oil refining industries, etc.

The products are sold to more than 30 provinces, cities and autonomous regions in China, and export to Russia, Pakistan, India, Vietnam, Brazil, Egypt, Japan, Malaysia, Mexico, Turkey and other countries and regions. It has established long-term friendly economic and trade cooperation with many enterprises and has been highly praised by the cooperative enterprises.

DwHB is always insisting on the principle of "Keep Improving, Quality Foremost", continuously "Improving itself and try to be better", endeavoring to provide customers with high-quality products and satisfactory services at competitive price. Dongwang people are sincerely willing to cooperate with all the friends and contribute to one world, one dream.



Patent&Certificate



- 1 Certificate of quality management system ISO9001:2015 (EN)
- 2 Certificate of quality management system ISO9001:2015 (CN)
- 3 Environmental management system certification ISO14001:2015 (CN)
- 4 Environmental management system certification ISO14001:2015 (EN)
- 5 Occupational health and safety management system certificate ISO45001:2018 (CN)
- 6 Occupational health and safety management system certificate ISO45001:2018 (EN)
- 7 A composite PPS acid alkali resistant and high-temperature resistant dust removal bag
- 8 A high-strength anti-static polyether ether ketone coated needle punched felt filter cloth
- 9 A Metas needle punched felt filter bag
- 10 A high-temperature resistant laminated polyacrylonitrile needle punched felt filter cloth
- 11 A high-temperature and acid alkali resistant dust bag
- 12 A needle punched filter felt
- 13 Composite PTFC acid alkali resistant and high-temperature dust removal bag
- 14 A waterproof and oil repellent needle punched filter felt

- 15 AAA level trustworthy supplier
- 16 patent for invention
- 17 AAA rated credit enterprise
- 18 AAA rated integrity & trust enterprise
- 19 Chinese honest entrepreneur
- 20 A polyester needle punched felt for insulation and heat preservation
- 21 A filter cloth clamping frame that is easy to disassemble and replace
- 22 A multifunctional and easy to install filter cloth
- 23 An anti roll edge filtering device
- 24 An anti-static assembled filter bag
- 25 A wear-resistant polyester short fiber filter cloth
- 26 A filter cloth with built-in separation structure
- 27 A composite filter cloth with filter membrane
- 28 A cylindrical extendable dust removal filter bag
- 29 A multi-layer filter cloth for a filter press
- 30 A filter cage fixing bracket for industrial bag dust collectors
- 31 A bag type dust removal equipment for industrial production



Leadership Inspection



Display of Dongwang



Special Filter Materials



This series of products are woven or needled with super high temperature special fiber produced and developed by DwHB, and this series include: basalt fiber cloths, basalt-based punched felt, high silica fiber cloths and high silica punched felt. This series of products are applicable to super high temperature flue gas operation in special industries, super high temperature fire proof, temperature resistance and ablation resistance fields.

Basalt filter materials: Basalt fiber is a super high temperature fiber recently developed by DwHB. With basalt as raw material, it is drawn through high temperature melting. The fiber has high temperature resistance, excellent mechanic property, acid resistance, alkali resistance and other excellent properties. Hence, operating temperature of the product could be 250–300°C and the product has excellent tensile strength. Basalt fiber products are widely applied to high temperature gas filtration, fireproof and flame retardant, composite reinforcement base material, high temperature resistance and ablation resistance fields.

High silica filter materials: High silica fiber is another new super high temperature resistance fiber developed and produced by DwHB. High silica fiber could be used for a long time under high temperature of 300°C, and instant temperature is 350°C. In addition, it has excellent chemical stability. Previously, it was widely applied to military industry and aerospace fields. At present, it has been widely applied to heat resisting materials, fireproof materials, super high gas and liquid filtration, aerospace, heat protection, ablative materials and other fields.

➤ Polyester Needle Punched Felt



TECHNICAL PARAMETER

Gram Weight: 550g/m ²
Material: Base Cloth of Polyester/Polyester Filament Yarn
Thickness: 1.8~2.0mm
Air Permeability: 16m ³ /m ² .min
Radial Tensile Force: ≥ 1300N/5 × 20cm
Zonal Tensile Force: ≥ 1500N/5 × 20cm
Radial Elongation: <25%
Zonal Elongation: <45%
Service Temperature: ≤ 130°C
Post-Treatment: Singeing, Calendering, Heat Setting, PTFE membrane

Polyester/PET based punched filter felt is produced with first grade polyester staple fibers as raw materials. In addition its unique advantages including high porosity, good air permeability, high dust collection efficiency, long service life and other aspects possessed by common felt type filter cloths, this product has moderate high temperature resistance grade, instantaneous temperature to reach 130 °C, medium acid and alkali resistance, it has very excellent abrasive resistance. Hence, it is the most frequently used category in felt type filter materials. In terms of surface treatment, singeing, calendering or coating and other treatments can be adopted according to different requirements of working conditions.

➤ Water Repellent and Oil Proof Punched Felt



TECHNICAL PARAMETER

Gram Weight: 550g/m ²
Material: Base Cloth of Polyester Fiber/Polyester Filament Yarn
Thickness: 1.8~2.0mm
Air Permeability: 14m ³ /m ² .min
Radial Tensile Force: ≥ 1300N/5 × 20cm
Zonal Tensile Force: ≥ 1500N/5 × 20cm
Radial Elongation: <25%
Zonal Elongation: <40%
Service Temperature: ≤ 130°C
Post-Treatment: Singeing and calendering, Water and oil resistance, PTFE membrane

The filter felt treated with calendering, soaked in PTFE (waterproof agent), drying, sizing, it is applied to the fields with high moisture content. Compared with common filter bags, because this filter felt is not easy to be blocked or pasted, its service life is prolonged and the ash removal period can be extended. In addition, the amount of gas passing through also increases. Hence, a lot of energy consumption and maintenance expense can be saved and the output can be increased.

➤ Polyester Based Anti-static Punched Felt



TECHNICAL PARAMETER

Gram Weight: 550g/m ²
Material: Polyester/Polyester-Based Anti-Static Base Cloth
Thickness: 1.8~2.0mm
Air Permeability: 15m ³ /m ² .min
Radial Tensile Force: ≥ 1300N/5 × 20cm
Zonal Tensile Force: ≥ 1500N/5 × 20cm
Radial Elongation: <35%
Zonal Elongation: <55%
Service Temperature: ≤ 130°C
Post-Treatment: Singeing, Calendering, PTFE membrane

General industrial dust is easy to cause explosion or fire in case of electrostatic discharge spark or external ignition and other factors, after the concentration reaches certain degree (namely explosion limit). For example, flour dust, chemical dust and coal dust are likely to explode in case of electrostatic discharge. Hence, during production of punched felt, conductive fiber is incorporated to warp of base cloth, or conductive fiber or conductive material is mixed in chemical fiber to reach ideal conductive performance.

➤ High Performance Mixed Conductive Punched Felt



TECHNICAL PARAMETER

Gram Weight: 550g/m ²
Materials: Base Cloth of Carbon Fiber/Polyester Filament
Thickness: 1.8~2.0mm
Air Permeability: 15m ³ /m ² .min
Radial Tensile Force: ≥ 1300N/5 × 20cm
Zonal Tensile Force: ≥ 1500N/5 × 20cm
Radial Elongation: <25%
Zonal Elongation: <50%
Service Temperature: ≤ 130°C
Post-Treatment: Singeing, Calendering, Heat Setting, PTFE membrane

Mixed conductive punched felt is subject to blending of polyester staple fiber and carbon fiber and made through opening, carding, lapping, pre-punching, high speed upper and lower punching, singeing, calendering and heat setting. It can greatly improve conductive performance of filter bag, prolong life of filter bag and reach better filtration effect.

Four-proof Punched Felt



TECHNICAL PARAMETER

Gram Weight: 550g/m ²
Material: Carbon fiber, PPS fiber, flame retardant fiber, water and oil repellent
Thickness: 1.8~2.0mm
Air Permeability: 8~16m ³ /m ² .min
Radial Tensile Force: ≥1500N/5 × 20cm
Zonal Tensile Force: ≥1200N/5 × 20cm
Radial Elongation: <10%
Zonal Elongation: <10%
Service Temperature: ≤160℃
Post-Treatment: Singeing, Calendering, Water and oil resistance, PTFE impregnation, PTFE membrane

The four-proof punched felt bag is waterproof, oil proof, static proof and flame proof, and has acid and alkali resistance function. This is a new type of filter bag developed by DwHB on the basis of the three-proof filter bag, which reduces the combustion damage caused by sparks entering the dust collector. It is suitable for fields with high moisture content and explosion proof needs, such as blast furnace with coal injection powder in iron and steel plant, cement plant, starch plant, coal handling system in power plant, etc.

Acrylic High Strength and Low Elongation Punched Felt



TECHNICAL PARAMETER

Gram Weight: 550g/m ²
Material: Acrylic Staple Fiber/Acrylic Base Cloth
Thickness: 1.8~2.0mm
Air Permeability: 10~14m ³ /m ² .min
Breaking Strength (Radial): ≥1000N/5 × 20cm
Breaking Strength (Zonal): ≥1300N/5 × 20cm
Operating Temperature : ≤130℃
Post-Treatment: Singeing, Calendering, Water resistance, PTFE membrane

At the time of filtering ultra fine dust particle, filter materials are required to have smaller filtration pore diameter as much as possible under the premise of guaranteeing air permeability, thus effectively obstructing and collecting dust particles and controlling shrinkage rate under minimum limit at the time of certain high temperature. In the production progress of acrylic punched felt, high strength and low elongation industrial filaments are adopted as the base cloths, which could improve the overall tensile strength of filter materials effectively and make them adapt to the flue gas filtration with high air volume. And acrylic punched felt has excellent hydrolysis stability.

PTFE Punched Felt



TECHNICAL PARAMETER

Gram Weight: 750g/m ²
Material: PTFE Fiber/PTFE Base Cloth
Thickness: 1.40mm
Air Permeability: 10m ³ /m ² .min
Radial Tensile Force: ≥800N/5 × 20cm
Zonal Tensile Force: ≥1000N/5 × 20cm
Radial Elongation: <10%
Zonal Elongation: <12%
Service Temperature: ≤240℃, 260℃ for a short time
Post-Treatment: PTFE impregnation, PTFE membrane

PTFE punched felt is a kind of filter material made from PTFE (Teflon fiber) through three-dimensional puncture. PTFE fiber is of macro molecule linear structure and has strong temperature resistance, abrasion resistance, corrosion resistance and chemical stability resistance and can be widely applied to steel, power, glass, chemical, waste incineration and other severe flue gas filter environments. DwHB is a professional manufacturer of PTFE, with the international advanced Andritz PTFE production line, the annual output could reach to 700,000 m².

FMS High Temperature Resisting Punched Felt



TECHNICAL PARAMETER

Gram Weight: 950g/m ²
Material: Alkali-Free Glass Fiber/Aramid Fiber/P84
Thickness: 2.4~3.0mm
Air Permeability: 8~15m ³ /m ² .min
Radial Tensile Force: ≥2100N/5 × 20cm
Zonal Tensile Force: ≥2200N/5 × 20cm
Radial Elongation: <10%
Zonal Elongation: <10%
Service Temperature: ≤240℃, 260℃ for a short time
Post-Treatment: PTFE impregnation, PTFE membrane

FMS high temperature resisting punched felt are blended or laminated by two or more high temperature resistance fibers to realize higher and updated physical and chemical performances. Compared with glass fiber, the abrasion resistance, breaking resistance and peeling strength of filter materials are significantly improved. The filter speed can be over 1.0m/min, with low operation resistance. FMS high temperature resisting punched felt is widely applied to steel, nonferrous metallurgy, chemical, carbon black, building material, power and other industries.

➤ Glass Fiber Punched Felt



TECHNICAL PARAMETER

Gram Weight: 900g/m ²
Material: Glass Fiber and Alkali Free Mesh
Thickness: 2.4~3.0mm
Air Permeability: 8~15m ³ /m ² .min
Radial Tensile Force: ≥2000N/5 × 20cm
Zonal Tensile Force: ≥2100N/5 × 20cm
Radial Elongation: <10%
Zonal Elongation: <10%
Service Temperature: ≤220℃, 240℃ for a short time
Post-Treatment: PTFE impregnation, PTFE membrane

Glass fiber punched filter felt is a high temperature resisting filter material with reasonable structure and good performance. It not only has advantages including high temperature resistance corrosion resistance, stable dimension, extremely small elongation shrinkage rate and high strength possessed by glass fiber, but also is a high speed and efficient temperature filter material due to single fiber borne by felt layer fiber, 3D cellular structure, high porosity and small gas filtration resistance. It can be widely applied to high temperature flue gas filter of chemical, steel, smelting, carbon black, power generation, cement and other industrial furnaces.

➤ High Temperature Resistant Flame Retardant Pre-oxidized Fiber



TECHNICAL PARAMETER

Gram Weight: 950g/m ²
Material: Glass fiber, alkali free mesh cloth, pre oxygen wire
Thickness: 2.4~3.0mm
Air Permeability: 8~15m ³ /m ² .min
Radial Tensile Force: ≥2000N/5 × 20cm
Zonal Tensile Force: ≥2100N/5 × 20cm
Radial Elongation: <10%
Zonal Elongation: <10%
Service Temperature: ≤280℃, 300℃ for a short time
Post-Treatment: PTFE impregnation, PTFE membrane

In the field of dust removal and flue gas purification, the temperature resistance of the traditional filter material is no more than 300℃. Under the working condition higher than 300℃, the traditional filter material can not be used because of shrinkage under high temperature. Polypropylene fiber is an intermediate product of carbon fiber, which is partially cyclized black fiber formed by air oxidation at a certain temperature. Its density is about 1.40g/cm³, strength is 1.4cn/dtex, elongation is 23%, modulus is 5GPa, limiting oxygen index is 35 - 60, decomposition temperature is ≥640℃, moisture remain is 9%, temperature resistance is outstanding, high temperature resistance is up to 300℃, and is fire resistance and non combustion. It is acid resistant, alkali resistant, washing resistant, non-toxic, less smoke. DwHB specializes in the R&D and production of dust removal filter bags. According to the high temperature resistance of pre-oxidized fiber, DwHB select pre-oxidized fiber with glass fiber and basalt base cloth and the temperature resistance effect can reach 350~400℃, meeting the high temperature resistance requirements under special working conditions.

➤ P84 High Temperature Resisting Punched Felt



TECHNICAL PARAMETER

Gram Weight: 550g/m ²
Material: P84 Fiber/P84 Base Cloth/PTFE Base Cloth
Thickness: 1.8~2.0mm
Air Permeability: 16m ³ /m ² .min
Radial Tensile Force: ≥1100N/5 × 20cm
Zonal Tensile Force: ≥1300N/5 × 20cm
Radial Elongation: <35%
Zonal Elongation: <55%
Service Temperature: ≤260℃, 280℃ for a short time
Post-Treatment: PTFE impregnation, Heat Setting, Singeing, Calendering, PTFE membrane

P84 high temperature resisting punched filter felt is efficient filter material with high temperature resistance and acid-alkali resistance, developed by the DWHB with other non-woven cloth production technology on the basis of INSPECFI-BERS (polyimide fiber) produced by Austria LENZING Company. DWHB is one of the few manufacturers with capacity to independently develop, design and produce such filter materials at present. With high temperature resistance performance, used for a long time under 260℃, and good chemical resistance, P84 filter materials have very significant filter effect on dusty gas with acid-base nature, highlighting higher dust collection efficiency in waste incineration industry.

➤ Aramid High Temperature Resisting Punched Felt



TECHNICAL PARAMETER

Gram Weight: 550g/m ²
Material: Aramid/Aramid Base Cloth
Thickness: 1.8~2.0mm
Air Permeability: 17m ³ /m ² .min
Radial Tensile Force: ≥1000N/5 × 20cm
Zonal Tensile Force: ≥1200N/5 × 20cm
Radial Elongation: <35%
Zonal Elongation: <50%
Service Temperature: ≤200℃, 220℃ for a short time
Post-Treatment: Singeing, Calendering, PTFE impregnation, PTFE membrane

Nomex, also known as aramid 1313 in China, was invented and put into use by DuPont in the 1960s. It is a good high-temperature resistant and flame retardant fiber. It can maintain about 80% of the original strength at 200℃, and can still maintain 65%~70% of the original strength after continuous use for 100 hours at 260℃. It can form a barrier between the human body and clothing, reduce the effect of heat transfer, provide protection, and can withstand most acids. It also has good stability to alkali. Due to its outstanding performance and broad market prospects, various countries have conducted research and development. It's widely used in military industry and filter materials for its excellent heat resistance and electrical performance. The prominent use of filter materials is in the chemical, steel, cement, and asphalt mixing industries, with excellent dust removal and filtration effects.

PPS High Temperature Resistance and Acid-Alkali Resistance Punched Felt

TECHNICAL PARAMETER



Gram Weight: 550g/m ²
Material: Base Cloth of PPS/PTFE
Thickness: 1.8mm
Air Permeability: 12m ³ /m ² .min
Radial Tensile Force: ≥ 1200N/5 × 20cm
Zonal Tensile Force: ≥ 1300N/5 × 20cm
Radial Elongation: <30%
Zonal Elongation: <30%
Service Temperature: ≤ 160°C, 180°C for a short time
Post-Treatment: Singeing, Calendering, Water and oil resistance, PTFE impregnation, PTFE membrane

PPS high temperature resistance and acid-alkali resistance punched filter felt is new high temperature resistance filter materials, produced with chemical fibers for polyphenylene sulfide produced by Japan Toray and Japan Toyobo and so on, according to manufacturing process of other high temperature resistance punched felt, PPS fiber has strength completeness retainability and inherent chemical resistance and can keep good filter performance in severe environment to reach ideal service life. PPS has excellent performance in application of the following occasions:

1. Operating temperature 160°C, instantaneous temperature 180°C, limit oxygen index 34–35%.
2. Oxygen content below 15%.
3. Sulfur oxide contained in flue gas.
4. Dusty gas with wet nature in flue gas.

PPS+PTFE Blending Punched Felt

TECHNICAL PARAMETER



Gram weight: 600g/m ²
Thickness: 2mm
Air permeability: 15m ³ /m ² .min
Breaking Strength (Radial): ≥ 1300/5 × 20cm
Breaking Strength (Zonal): ≥ 1200/5 × 20cm
Service Temperature: ≤ 180°C, 200°C for a short time
Post treatment: Singeing, Calendering, Water and oil resistance, PTFE impregnation, PTFE membrane

How to prolong service life of filter bags is a key issue attracting long term concern and research of DwHB. Through research and development of filter materials, engineering application experience is continuously summarized and PPS+PTFE blending, PTFE+P84 blending and other varieties of filter bags are innovatively developed in selection of filter bags to be applied to different flue gas working conditions with high oxygen, high sulfur and high temperature. Raw materials are formulated with ingredients of Japan Toray and Japan Torobo, polyphenylene sulfide, Teflon and polyimide based chemical fiber produced in the country and can be used for a long time under 180°C. Combination of them can drastically prolong the service life and environmental effect for high concentration and high humidity dusty gas and high purification is better. The service effect in straw power generation, waste power generation, carbon black plant, steel plant and cement plant with strict requirement for operation condition is better.

Pleated Filter Bags



TECHNICAL PARAMETER

Material: Customized	Post-Treatment: PTFE impregnation, Heat setting, Singeing, Calendering, PTFE membrane
Combination Method: 3-stitch sewing hot melting on body	Optional Treatment: Needle holes covered with film covering Needle holes covered with glue
Quality of Pleats: 8 – 12	

Pleated filter bags can directly replace existing round (oval) filter bags and frame of dust collectors without need to structural reconstruction for main equipment. According to system design and demand, 50–150% of filter area can be increased generally, which can significantly reduce differential pressure of system and improve overall performance of system and life of filter bags. In addition, it can drastically reduce ash removal frequency or extend ash removal interval. Compared with normal filter bags, the pulse ash removal efficiency (the same filter materials) is drastically improved due to significant improvement of special structure, increased effective bag spacing and ascending speed of inter bag airflow. Special design of filter bag & cage makes fatigue damage and intermittent discharge caused by pulse jetting drastically reduced. The framework has no horizontal support ring and the effective contact area is large completely avoiding direct impact to filter bags. As required, at the time of increasing filtration area, the length of filter bag can be shortened to optimize system operation, drastically reduce volume of compressed air and load of air compressor and pulse valve. fan load and significantly reduce system energy consumption. DwHB specializes in developing, producing and manufacturing concave-convex pleated filter bags or concave-convex pleated bag-type dust collectors. Under the same condition, the filtration area can reach 160% to 200% of cylinder filter bags and equipment operation resistance can be reduced to 600–800Pa. The emission concentration can reach less than 5mg/m³ and the service effect is better in strict operation conditions, such as straw power generation, waste power generation, steel factory, lime factory, cement factory, etc.

Medium Alkali Glass Fiber Filter Bag

TECHNICAL PARAMETER

Product Name:	Graphite Treatment	Silicone Oil Treatment
Material:	Twisting Yarn of Medium Alkali Containing Glass Fiber	
Gram weight g/m ² :	452~872	452~872
Thickness mm:	0.4~0.8	0.4~0.8
Service Temperature:	≤220°C, 240°C for a short time	
Breaking Strength (Radial):	1300	1300
Breaking Strength (Zonal):	1500	1500
Acid Resistance:	Excellent	Excellent
Alkali Resistance:	Good	Good
Air permeability m ³ /m ² .min:	12~18	12~18
Post-Treatment Mode:	Graphite Treatment, Silicone Oil Treatment, Laminating Treatment	



High-temperature resistance filter materials for fiberglass can be used for a long time under 220°C. The price is cheaper and the air permeability is ideal. Hence, they are widely applied in many industries. They can be mainly divided to graphite treatment and silicone oil treatment series. They are continuously woven through twisting yarn and weaving with medium-alkali glass fiber. Glass fiber filter materials are ideal filter materials in high-temperature dust emission enterprise due to high temperature resistance effect, high chemical corrosion resistance and easiness in dust stripping, especially cement shaft kiln enterprise.

Alkali Free Glass Fiber Filter Bag

TECHNICAL PARAMETER

Product Name:	Graphite Treatment	Silicone Oil Treatment
Material:	Twisting Yarn of None Alkali Containing Glass Fiber	
Gram Weight g/m ² :	452~872	452~872
Thickness mm:	0.4~0.8	0.4~0.8
Service Temperature:	≤240°C, 260°C for a short time	
Breaking Strength (Radial):	1300	1300
Breaking Strength (Zonal):	1500	1500
Acid Resistance:	Good	Good
Alkali Resistance:	Good	Excellent
Air permeability m ³ /m ² .min:	12~18	12~18
Post-Treatment Mode:	Graphite Treatment, Silicone Oil Treatment, Laminating Treatment	



Alkali free glass fiber filter bag is a filter material with excellent alkali resistance, which is woven from alkali free glass fiber formed by chemical treatment with glass fiber yarn and twisted yarn. In case of alkali containing gas in the equipment room, medium alkali glass fiber filter material is easy to be corroded by gas because it does not have alkali resistance. The alkali free glass fiber cloth woven from alkali free glass fiber yarn with alkali resistance can fully adapt to the filtration of alkali containing flue gas without filter material corrosion.

Filter Bags for Dry-Powder Mortar

TECHNICAL PARAMETER

Gram Weight:	550g/m ²
Material:	Base Cloth of Polyester Fiber/Polyester Filament Yarn
Thickness:	1.8~2.0mm
Air Permeability:	16m ³ /m ² .min
Radial Tensile Force:	≥1300N/5 × 20cm
Zonal Tensile Force:	≥1500N/5 × 20cm
Radial Elongation:	<25%
Zonal Elongation:	<40%
Service Temperature:	≤130°C
Post-Treatment:	Singeing, Calendering, Heat setting



Bag-type dust collectors for dry-powder mortar production line and bag-type dust collectors for dry-mixed mortar equipment are subject to system scheme of local airtightness and centralized processing and bag-type dust collectors for efficient pulse jetting are used to collect and recycle dust produced in production on dry-powder mortar production line. Dust production points on dry-powder mortar production line mainly include: mixer, raw material storage bin, conveyer, packer, etc. Roof dust collectors of large raw material tank: dry-powder mortar production line is used to store bulk raw materials, such as cement, coal ash, sand, rubber powder, auxiliaries. When materials are loaded through pneumatic transmission, dust will be produced. Roof dust collectors can be used to effectively control dust emitting from the tank bin.

Special Filter Bags for Copper Aluminum Plant

TECHNICAL PARAMETER

Gram Weight:	550g/m ²
Material:	Blending of Polyester and Aramid Fiber
Thickness:	1.8~2.0mm
Air Permeability:	8~15m ³ /m ² .min
Radial Tensile Force:	≥1800N/5 × 20cm
Zonal Tensile Force:	≥1900N/5 × 20cm
Radial Elongation:	<10%
Zonal Elongation:	<10%
Service Temperature:	160~180°C
Surface Treatment:	Singeing, Calendering, PTFE impregnation, PTFE membrane



Special dust removal filter bags for copper aluminum plant are blending of polyester and aramid fiber bags made of punched felts of blending of polyester and aramid fiber through special treatment and manufacturing, being ideal high-temperature resistance filter materials. With strong strength, smooth surface and easiness in dust stripping, the dust removal cloth bags can be used for a long time under 160°C, with corrosion resistance and high dust removal efficiency.

Spunlaced Filter Bags

Spunlace weaving process is a new breakthrough of non-woven filter material, which uses flexible high-pressure water jet and makes the fibers intertwine with each other to form felt through the reflection of the supporting screen curtain, instead of the traditional process of the rigid belt crochet needle intertwining the fibers with each other through the reciprocating movement. Because spunlaced filter material in the production process of the fiber, the base cloth is not subject to any damage, while the internal fluffy fiber reinforcement, improve the mechanical strength and elongation at break of the product, reduce the bottom filter material thickness, increase the gap inside the filter material, improve the product air permeability.

Polyester Spunlaced Filter Bag



TECHNICAL PARAMETER

Gram Weight: 550g/m²
 Material: Polyester/Polyester-Based Anti-Static Base Cloth
 Thickness: 1.6~1.8mm
 Air Permeability: 15m³/m².min
 Radial Tensile Force: ≥ 1300N/5 × 20cm
 Zonal Tensile Force: ≥ 1500N/5 × 20cm
 Radial Elongation: <35%
 Zonal Elongation: <55%
 Service Temperature: ≤ 130℃
 Post-Treatment: Hot Setting

FMS Spunlaced Filter Bag



TECHNICAL PARAMETER

Gram Weight: >900g/m²
 Material: Alkali-Free Glass Fiber/Aramid Fiber/P84
 Thickness: 2.2~2.8mm
 Air Permeability: 8~15m³/m².min
 Radial Tensile Force: ≥ 2100N/5 × 20cm
 Zonal Tensile Force: ≥ 2200N/5 × 20cm
 Radial Elongation: <10%
 Zonal Elongation: <10%
 Service Temperature: ≤ 240℃, 260℃ for a short time
 Post-Treatment: Hot Setting, PTFE impregnation

PPS Spunlaced Filter Bag

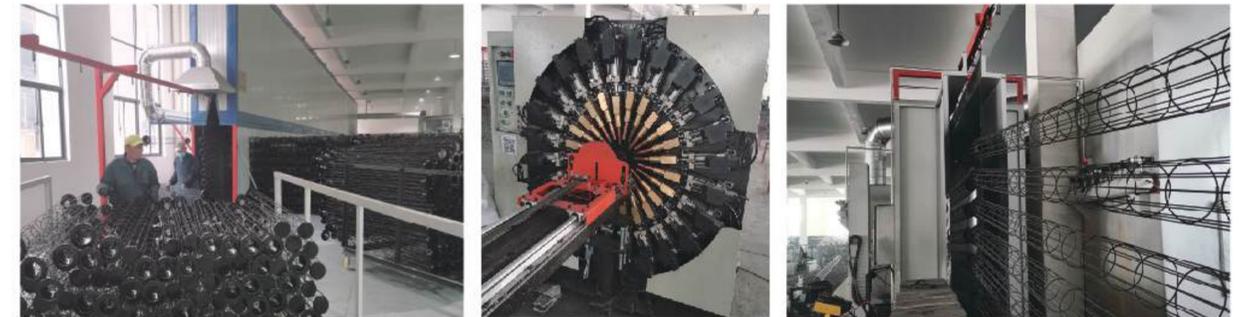


TECHNICAL PARAMETER

Gram Weight: 550g/m²
 Material: Base Cloth of PPS/PTFE
 Thickness: 1.6~1.8mm
 Air Permeability: 12m³/m².min
 Radial Tensile Force: ≥ 1200N/5 × 20cm
 Zonal Tensile Force: ≥ 1300N/5 × 20cm
 Radial Elongation: <30%
 Zonal Elongation: <30%
 Service Temperature: ≤ 160℃, 180℃ for a short time
 Post-Treatment: Hot Setting, PTFE impregnation

Filter Cages

Filter Cages are the ribs of filter bags and formed through primary welding of special equipment. It is characterized with firm welding, smooth and upright appearance to make the filter bag not damaged, flexible application, easiness in installation and maintenance. Post-surface treatment is subject to galvanization or organosilicone spraying process. The quality of framework directly influences filter efficiency and service life of filter bag.



PTFE Workshop



Normal and high temperature production workshop



Dongwang Technology R&D Center



Heat setting and Laminating Workshop



Sewing Workshop



Pleated Bag Production Workshop



TDW horizontal high voltage electrostatic precipitator



1. The shell adopts frame structure with high strength and good stability. It can be designed according to different pressure and temperature resistance requirements.
2. The gas inlet and outlet modes can be designed into various forms according to the process layout and flue gas characteristics, and the process layout is flexible.
3. The flow blocking and diversion type air flow uniform distribution device is adopted, which has good air flow uniformity and no ash blockage.
4. The collecting electrode is subject to 480C or ZT24 polar plate and the discharge electrode is subject to new RS tubular burr line or V15 line, with reasonable polar distribution, uniform discharge and good discharge performance. The discharge electrode is reasonably connected with framework without disconnection and line break condition.
5. Hammer-type vibration and strike by torsion arm at the side is provided, with uniform transmission of vibration and strike force and good effect, easy in ash removal.

Scope of Application



- 1、 Thermal Power Plant
- 2、 Cement Production
- 3、 Wood Processing
- 4、 Mineral and Coal Mining
- 5、 Steel Smelting and Production
- 6、 Petrochemical Engineering and Pharmacy
- 7、 Asphalt Mixing Plant
- 8、 Pottery Firing
- 9、 Waste Treatment
- 10、 Alloy Smelting
- 11、 Building Material
- 12、 Food Industry
- 13、 Paper Industry

