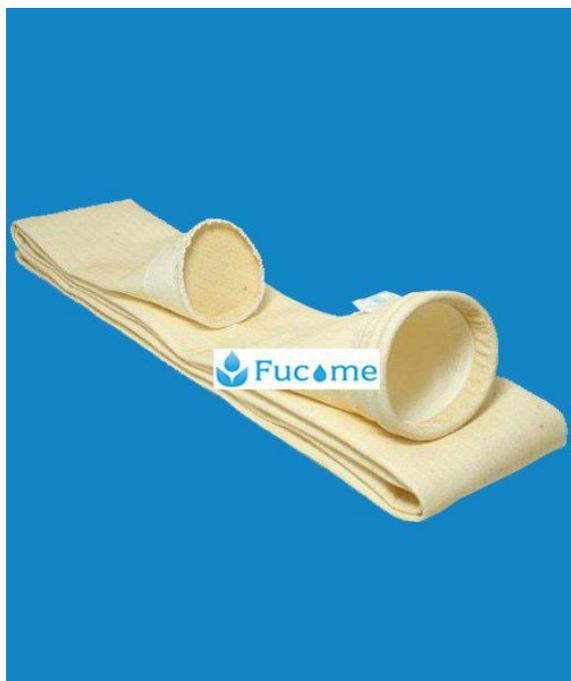




PPS Needle Felt Dust Filter Bags - OEM Manufacturer China



General Description

Thin PPS needle felt is made of polyphenylene sulfide fiber and PPS filament yarn, while thicker PPS needle felt is made of PPS and glass fiber, which is one of the main material for high temperature air and gas filtration providing inherent chemical resistance and can maintain good air filtration performance in critical environment. It is widely use in filtered coal-fired boilers, waste incinerator, ash dust collection, pulse cleaning precipitator.

PPS needle felt work excellence in the following occasions:

- The occasions with moisture in the flue
- Oxygen at 16% or less of the occasion can be applied
- Continuous operating temperatures up to 200 , the instantaneous temperature of 240 ,limiting oxygen Index 34~35.
- Sulfur in the fuel or in the flue gas sulfur oxide,has been proved that it is anti-acid corrosion, highly resistant to chemical fiber
- Mining conditions at the temperature of 190 ~ 240 ,gas do online cleaning cloth ratio up to 5:1 and air-to-cloth ratio of 6:1 for offline cleaning,PPS dust filter bag has excellent performance record.

Feature

- Low resistance to flow generates rate
- Good and durable air filtration efficiency
- Long service life in different conditions,stable filtering effect
- Wide chemical resistance, PH value range 1-14
- The filtration velocity the optional 1-1.5m/min which enable to reduce the size of the equipment

Application

- Coal-fired boilers air filtration
- Others industries dust collection
- Chemical industry plant air filtering
- Fly ash in power plant dust filtration
- Metal production plant and steel works
- Waste incinerator waste gas treatment

Performance Index

Material	Polyphenylene sulfide(PPS) fiber / PPS filament yarn base fabric			Polyphenylene sulfide (PPS) fiber / Glass fiber	
	Grams(g/m ²)	450	500	550	>800
Thickness(mm)	1.6	1.8	2	2	
Air permeability (m ³ /m ² /min)	18	15	12	8~15	
Tensile strength(N/5×20cm)	warp	>1150	>1200	>1200	>2000
	weft	>1200	>1300	>1400	>2000
Tensile elongation(%)	warp	<30	<30	<30	<10
	weft	<30	<30	<30	<10
Collapse strength (Mpa/min)	2.7	2.6	2.45	3.1	
Operating temp. (continuous) (°C)	≤190			≤190	
Operating temp. (instant)(°C)	232			232	
Acid-resisting	Excellent			Excellent	
Alkali-resisting	Excellent			Excellent	
Abrasive resistance	Excellent			Excellent	
Hydrolytic stability	Excellent			Excellent	
Refuse water level(Water temperature 27°C and relative humidity 20%)	5 level AATTCC100			5 level AATTCC100	
Finishing treatment	High temperature hot pressing and singeing, Waterproof and oil processing, coating			Hot pressing and singeing, Waterproof and oil processing, coating	

Fucome DNA

- Good reputation with reliable service
- Superior filter media with reasonable price
- Advanced technique with leading design
- Strict quality control with timely delivery

Partners



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