

# Filter Bags

## PTFE membrane laminated Fiber-glass filter bag

### Physical Properties:

Fiber : E-glass  
Scrim: Fiberglass scrim  
Weight:750, 550, 340(g/ m<sup>2</sup>)  
Surface Treatment :  
-PTFE membrane,  
-PTFE Impregnate  
Air permeability:30 (dm<sup>3</sup>/d m<sup>2</sup>/min@200 Pa)

### Chemical Properties:

Acid Resistance: Excellent  
Alkali Resistance: good  
Hydrolysis Resistance: Excellent  
Oxidization Resistance: Excellent  
Abrasion Resistance : Excellent  
Temperature Resistance:260-280 °C



### Application:

Used for dust filtration in chemical industry, cement, black pigment, titanium dioxide, biomass boiler, etc.

Craft : PTFE Sewing

Ring Material :

- Carbon steel ring,
- Stainless steel ring

Structural shape : Air reverse filter bag,Pulse Jet filter bag.

# Filter Bags

## PTFE filter bag

### Physical Properties:

Fiber :PTFE  
Scrim: PTFE scrim  
Weight:750 (g/ m<sup>2</sup>)  
Thickness: 1.0 (mm)  
Surface Treatment :Heat set  
PTFE membrane, PTFE Impregnate  
Air permeability: 30,100 (dm<sup>3</sup>/d m<sup>2</sup>/min@200Pa)

### Chemical Properties:

Acid Resistance: Excellent  
Alkali Resistance: Excellent  
Hydrolysis Resistance: Excellent  
Oxidization Resistance: Excellent  
Abrasion Resistance : Excellent  
Temperature Resistance:250-270 °C



### Application:

Used for flue gas purification and material recovery from all kinds of waste incineration.

Craft : PTFE Sewing

Ring Material :Carbon steel ring, Stainless steel ring,Felt ring.

Structural shape : Air reverse filter bag, Pulse Jet filter bag.

# Filter Bags

## Aramid filter bag

### Physical Properties:

Fiber : Aramid  
Scrim: Aramid spun scrim, self supporting  
Weight:500 (g/ m<sup>2</sup>)  
Thickness: 2.6(mm)  
Surface Treatment : Heat set, Singed on one side  
Water & Oil repellent treatment , PTFE membrane,  
PTFE Impregnate  
Air permeability:180 (dm<sup>3</sup>/d m<sup>2</sup> /min@200Pa)

### Chemical Properties:

Acid Resistance : Fair  
Alkali Resistance: Good  
Hydrolysis Resistance :Fair  
Oxidization Resistance: Fair  
Abrasion Resistance : Excellent  
Temperature Resistance:190-210 °C



### Application:

Mainly used in smelting, cement, asphalt, detergent, rubber, chemical, ceramic, cosmetics, tobacco, mining industry.

Craft : PTFE Sewing

Ring Material : Carbon steel ring,Stainless steel ring, Felt ring.

Structural shape : Air reverse filter bag, Pulse Jet filter bag.

# Filter Bags

## Polyimid filter bag

### Physical Properties:

Fiber : Polyimid  
Scrim: PTFE Filament scrim、 self support  
Weight:500 (g/ m<sup>2</sup>)  
Thickness: 2.6(mm)  
Surface Treatment : Heat set ,Singed on one side,  
Water & Oil repellent treatment, PTFE membrane,  
PTFE Impregnate  
Air permeability:200 (dm<sup>3</sup>/d m<sup>2</sup>/min@200Pa)

### Chemical Properties:

Acid Resistance : Good  
Alkali Resistance: Fair  
Hydrolysis Resistance :Fair  
Oxidization Resistance: Good  
Abrasion Resistance: Good  
Temperature Resistance:240-260 °C

### Application:

Mainly used in cement , iron and smelting industries.



Craft : PTFE Sewing

Ring Material : Carbon steel ring,Stainless steel ring, Felt ring.

Structural shape : Air reverse filter bag, Pulse Jet filter bag.

# Filter Bags

## PPS filter bag

### Physical Properties:

Fiber : PPS  
Scrim: PPS spun scrim、 self support  
Weight:500 (g/ m<sup>2</sup>)  
Thickness: 1.7(mm)  
Surface Treatment : Heat set , Singed on one side,  
Water & Oil repellent treatment ,PTFE membrane,  
PTFE Impregnate  
Air permeability:150 (dm<sup>3</sup>/d m<sup>2</sup>/min@200Pa)



### Chemical Properties:

Acid Resistance : Excellent  
Alkali Resistance: Excellent  
Hydrolysis Resistance : Excellent  
Oxidization Resistance: Poor  
Abrasion Resistance: Good  
Temperature Resistance:180-200 °C

### Application:

Mainly used in collecting dust of coal-fired boiler in electric power, iron and steel industry, smelting factories, dyeing & printing industry.

Craft : PTFE Sewing, Welding

Ring Material : Carbon steel ring,Stainless steel ring,Felt ring.

Structural shape :Air reverse filter bag, Pulse Jet filter bag.

# Filter Bags

## Acrylic filter bag

### Physical Properties:

Fiber :Acrylic  
Scrim: Acrylic spun scrim  
Weight:500 (g/ m<sup>2</sup>)  
Thickness: 2.4 (mm)  
Surface Treatment : Heat set , Singed on one side,  
Water & Oil repellent treatment , PTFE membrane,  
PTFE Impregnate  
Air permeability:200 (dm<sup>3</sup>/d m<sup>2</sup>/min@200Pa)



### Chemical Properties:

Acid Resistance : Good  
Alkali Resistance: Fair  
Hydrolysis Resistance : Good  
Oxidization Resistance: Good  
Abrasion Resistance : Fair  
Temperature Resistance:125-140 °C

### Application:

Mainly used in dust collection of cement, asphalt, ceramic spray drying tower, coal mill, power plant

Craft : PTFE Sewing

Ring Material :Carbon steel ring, Stainless steel ring,Felt ring.

Structural shape : Air reverse filter bag, Pulse Jet filter bag.

# Filter Bags

## PE filter bag

### Physical Properties:

Fiber :Polyester  
Scrim: Polyester standard filament scrim,self support  
Weight: 500 (g/ m<sup>2</sup>)  
Thickness: 1.8 (mm)  
Surface Treatment : Heat set, Singed on one side, Super calendering,Water & Oil repellent treatment, Anti-static coating, PTFE membrane  
Air permeability: 180 (dm<sup>3</sup>/d m<sup>2</sup>/min@200Pa)



### Chemical Properties:

Acid Resistance : Fair  
Alkali Resistance: Poor  
Hydrolysis Resistance :Poor  
Oxidization Resistance: Good  
Abrasion Resistance : Excellent  
Temperature Resistance:130-150 °C

### Application:

Mainly used in Furniture, ceramics, powder coating, storage battery, cement, metallurgy, chemicals, building materials, smelting, electricity, machinery, mine, petroleum, medicine, dye and food processing factories.

Craft : PE Sewing,Welding

Ring Material : Carbon steel ring, Stainless steel ring, Felt ring.

Structural shape : Air reverse filter bag, Pulse Jet filter bag, No bottom, Bottom closed, Bottom with a Hole, Bottom reinforced.

# Filter Bags

## PP filter bag

### Physical Properties:

Fiber :Polypropylene fiber  
Scrim: Polypropylene filament scrim  
Weight: 500 (g/ m<sup>2</sup>)  
Thickness: 2.0 (mm)  
Surface Treatment : Heat set,Singed on one side,  
Super calendering Water & Oil repellent treatment,  
Anti-static coating, PTFE membrane  
Air permeability: 180 (dm<sup>3</sup>/d m<sup>2</sup>/min@200Pa)



### Chemical Properties:

Acid Resistance : Excellent  
Alkali Resistance: Excellent  
Hydrolysis Resistance :Excellent  
Oxidization Resistance: Bad  
Abrasion Resistance : Good  
Temperature Resistance:80-90 °C

### Application:

Mainly used in food plant, chemical plant.

Craft : Sewing, Welding.

Ring Material: Carbon steel ring, Stainless steel ring, Felt ring.

Structural shape : Air reverse filter bag, Pulse Jet filter bag, No bottom, Bottom closed,

Bottom with a Hole, Bottom reinforced.



**GVS Filter specializes in making a wide range of custom designed filter bags to customers exact requirements.**



Small diameter filter bag(welded seam)



Multi-Pocket Filter Bag



Filter Bag with PU top



Multi-ring Filter Bag



Oval Filter Bag



Air Reverse Fiberglass Filter Bag



Envelop Filter Bag



PPS Felt Seal Top Filter Bag



Small Diameter Filter Bag (welded seam)

## Specialized filter bag



Zero-leakage Filter Bag



Fiber-free FDA Filter Bag



Aramid+PTFE Membrane Welded Filter Bag



Aramid+PTFE Membrane With Glue Seal Filter Bag



PPS+PTFE Membrane With Glue Seal Bag



Fireguard Filter Bag

## Filter bag cage

Specification: circle, oval, envelope or other various framework as per customer request.

### Material:

High quality mild steel or stainless steel

### Structure:

Multiple class type , Venturi, Protection short tube, Download type, Plug

### Surface treatment:

Spray coating, Preservative treatment, Silicon coating

### Product description:

Filter bag cage supports and shapes the filter bag, it should be light and easy to install for improved maintenance. The quality of the cage has a direct bearing on the filtering efficiency and service life of a filter bag. Every cage we make will meet the requirement for lightness, smoothness and accuracy.

