

Air Filtration For a clean and green environment

- Filter Media
(POLYESTER/PP/ACRYLIC/PPS/NOMEX/P84/PTFE/
ANTI-STATIC/FMS/FIBERGLASS)
- Dust Collector Bags
- Filter Support Cages



| Brand Owned by- Asian Filtration Technology. |

| An ISO 9001:2015 Certified Company |



| PURIFIED PERFORMANCE |

| Plot No. : 183, GIDC Industrial Estate, Ankles war – 393 002, District: Bharuch-
Ankleshwar – 393 002, District: Bharuch |
| Gujarat – India |

Email- info@asianexfilters.com, rpaghera1642@gmail.com.

Website- www.asianexfilters.com

Call us - 9925034719 | 9825357177 | 9099034719 | Telephone: +91 8866006222



ASIANEX FILTERS

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| **PURIFIED PERFORMANCE** |

FABRIC	SUITABLE APPLICATION AREA
Cotton	Excellent selection in ventilation type collector
Polypropylene	Strong fibre, low moisture absorption and possesses excellent chemical resistance.
Nylon	Rugged fibre with excellent resistance to abrasion and alkalies.
Wool	Superior filtration characteristics.
Acrylic	Good in acid conditions. Possesses excellent dimensional stability. Acrylic Homopolymer are excellent at resisting hydrolysis.
Polyester	High tensile strength, good dimensional stability, heat resistant at 150c
Nomex	Excellent heat resistance at 220c and excellent resistance to abrasion.
Teflon	Can be used at temperatures up to 260c and possesses excellent chemical resistance.
Fiberglass	Can be used at high temperatures and has high tensile strength.
Ryton	Excellent resistance to chemical conditions and abrasion. Excellent heat resistance at 190c.
P-84	Stable operation to 260c, excellent efficiency characteristics.

Depending on application, to ensure bag performance and durability, fiberglass fabric has to have the right finish and surface treatment. Without a protective coating, the glass filaments in filtration fabrics can be broken through self abrasion caused by dust particle, or chemical attack from the gas stream composition on cage contact.

Application



Asphalt industry



Power Industry



Cement Industry



Metallurgical industry



Tobacco industry



Coal-fired Boiler



Chemical Industry



Kilns Furnaces



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DUST COLLECTOR BAGS –WOVEN- (ASIANEX-300 – SERIES)

FIBERGLASS WOVEN FILTER BAG(For Emission Level:> 30 mg /Nm³ (PM30)

Code		AFT- 311	AFT- 321	AFT- 331	AFT- 341	AFT-351
Material		Fiberglass	Fiberglass	Fiberglass	Fiberglass	Fiberglass
Weave		1/3 Twill	1/3 Twill	2/5 Satin	Double Twill	Double Twill
Weight (g/m²)		340-380	450-500	550-600	780-850	830-950
Tensile Strength (N/2.5 cm)	Warp	≥ 1400	≥ 2000	≥ 2200	≥ 2400	≥ 2600
	Weft	≥ 800	≥ 1200	≥ 2000	≥ 2000	≥ 2000
Air permeability (cm³/cm²/s@200Pa)		22-35	22-35	22-35	22-35	22-35
Mullen Bursting Strength (Kg/cm²)		≥ 3500	≥ 4500	≥ 5500	≥ 6200	≥ 6800
Countinuous Temperature (°C)		≤ 260°C	≤ 260°C	≤ 260°C	≤ 260°C	≤ 260°C
Surge Temperature (°C)		≤ 300°C	≤ 300°C	≤ 300°C	≤ 300°C	≤ 300°C
Filtraction Efficiency (%)		90	90	90	90	90
Filtraction Velocity (m/min)		≤ 0.7	≤ 0.7	≤ 0.7	≤ 0.7	≤ 0.7

Mechanical Finish Available:

- **Tri-finish(Silicon, Graphite & PTFE Coating)**
- **PTFE Coating**
- **Anti-Acid Coating**





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DUST COLLECTOR BAGS –WOVEN- (ASIANEX-(100 SERIES)

FIBERGLASS WOVEN FILTER BAG PTFE e-MEMBRANE

(For Emission Level: >10 mg/Nm³(PM10)



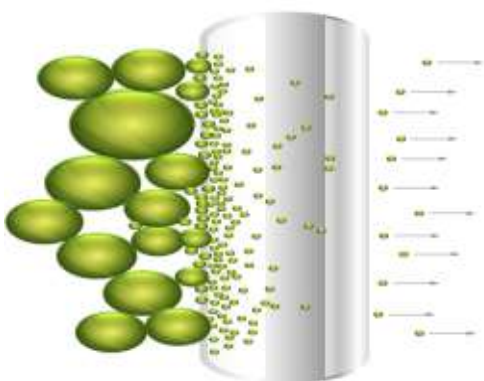
Code	AFT-100	AFT-110	AFT- 121	AFT-131	AFT-141
Material	Fiberglass	Fiberglass	Fiberglass	Fiberglass	Fiberglass
Weave	1/3 Twill	1/3 Twill	2/5 Satin	Double Twill	Double Twill
Weight (g/m²)	340-380	450-500	550-600	780-850	830-950
Tensile Strengt (N/2.5 cm)	Warp	≥ 1400	≥ 2000	≥ 2200	≥ 2400
	Weft	≥ 800	≥ 1200	≥ 2000	≥ 2000
Air permeability (cm³/cm²/s@200Pa)	2-5	2-5	2-5	2-5	2-5
Mullen Bursting Strenght (Kg/cm²)	≥ 3500	≥ 4500	≥ 5500	≥ 6200	≥ 6800
Countinuous Temperature (°C)	≥ 260°C	≥ 260°C	≥ 260°C	≥ 260°C	≥ 260°C
Surge Temperature (°C)	≥ 300°C	≥ 300°C	≥ 300°C	≥ 300°C	≥ 300°C
Filtraction Efficiency (%)	95	95	95	95	95
Filtraction Velocity (m/min)	≥ 1.0	≥ 1.0	≥ 1.0	≥ 1.0	≥ 1.0

Mechanical Finish Available:

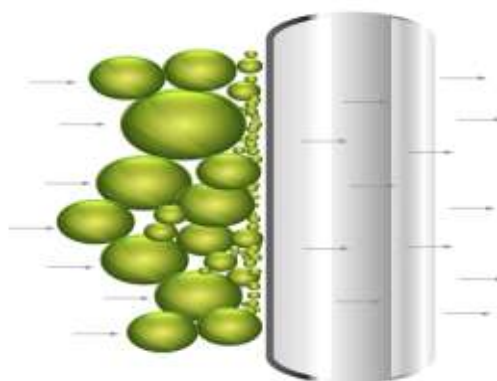
- Tri-finish (Silicon, Graphite & PTFE Coating)
- PTFE Coating + PTFE Laminate
- Anti-Acid Coating + PTFE Laminate.

Normal Filter Bag

ePTFE membrane + Filter Bag



Depth Bed Filtration



Surface Filtration with ePTFE membrane



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DUST COLLECTOR BAGS –WOVEN- (ASIANEX-(250 SERIES)

FIBERGLASS WOVEN FILTER BAG WITH SEAL TAPE

(For Emission Level: >5 mg/Nm³(PM_{2.5})

Code	AFT-250	AFT-251	AFT-252	AFT-253	AFT-254
Material	Fiberglass	Fiberglass	Fiberglass	Fiberglass	Fiberglass
Weave	1/3 Twill	1/3 Twill	2/5 Satin	Double Twill	Double Twill
Weight (g/m²)	340-380	450-500	550-600	780-850	830-950
Tensile Strength (N/2.5 cm)	Warp	≥ 1400	≥ 2000	≥ 2200	≥ 2400
	Weft	≥ 800	≥ 1200	≥ 2000	≥ 2000
Air permeability (cm³/cm²/s@200Pa)	2-5	2-5	2-5	2-5	2-5
Mullen Bursting Strength (Kg/cm²)	≥ 3500	≥ 4500	≥ 5500	≥ 6200	≥ 6800
Countinuous Temperature (°C)	≥ 260°C	≥ 260°C	≥ 260°C	≥ 260°C	≥ 260°C
Surge Temperature (°C)	≥ 300°C	≥ 300°C	≥ 300°C	≥ 300°C	≥ 300°C
Filtraction Efficiency (%)	99	99	99	99	99
Filtraction Velocity (m/min)	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0

The Seal Tape is a blocking technology that seals seam 100% near zero emissions and advance solution for PM 2.5.



Purified Performance





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DUST COLLECTOR BAGS –WOVEN- (ASIANEX-(500 SERIES)

NOW WOVEN FILTER BAGS (For Temperature Range: 90°C To 150°C)



Code	AFT-501	AFT-510	AFT-520	AFT-530	AFT-540	
Fiber	Polyester	Polyester	Polyester	Acrylic Homopolymer	Polypropylene	
Scrim	Polyester	Antistatic	Carbon Fiber Spread	Spun Yarn	Spun Yarn	
Weight (g/m²)	500-550	500-550	500-550	500-550	500-550	
Thickness (mm)	1.8-2.0	1.8-2.0	1.8-2.0	1.8-2.0	1.8-2.0	
Air permeability (cm³/cm²/s@200Pa)	15-25	15-25	10-15	15-30	20-40	
Mullen Bursting Strength (Kpa)	4200	4200	4200	4200	4200	
Tensile Strength (Kgf)	MD	≥ 1400	≥ 1400	≥ 1400	≥ 800	≥ 1000
	CD	≥ 1000	≥ 1000	≥ 1000	≥ 800	≥ 1500
Finish	Calender & Signed	Calender & Signed	Calender & Signed	Calender & Signed	Calender & Signed	
Continuous Temperature (°C)	≤ 130°C	≤ 130°C	≤ 130°C	≤ 120°C	≤ 90°C	
Surge Temperature (°C)	≤ 150°C	≤ 150°C	≤ 150°C	≤ 140°C	≤ 110°C	

Mechanical Finish:

Water & Oil Repellent

PTFE Coating

PTFE Coating and PTFE Laminate (For PM10)

PTFE Lamination with Seal Tape (For PM2.5)



Purified Performance





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DUST COLLECTOR BAGS –WOVEN- (ASIANEX-(600 SERIES)

NOW WOVEN FILTER BAG For Temperature Range: 180°C To 300°C)

Code	AFT-600	AFT-610	AFT-620	AFT-630	AFT-640	
Fiber	Aramid	PPS (Ryton)	PTFE (Teflon)	Polyimide (P84)	Fiberglass	
Scrim	Aramid	PPS (Ryton)	PTFE	Polyimide (P84)	Fiberglass	
Weight (g/m²)	500-550	500-550	800	500-550	850-900	
Thickness (mm)	1.8-2.0	1.6-1.8	1.2	2.0-2.2	2.5	
Air permeability (cm³/cm²/s@200Pa)	15-25	15-25	5-15	18-30	12-30	
Tensile Strengt (Kgf)	MD	≥ 1200	≥ 1200	≥ 1000	≥ 1000	≥ 2100
	CD	≥ 900	≥ 1000	≥ 850	≥ 800	≥ 2600
Finish	Calender & Signed	Calender & Signed	Calender & Signed	Calender & Signed	Calender & Signed	
Countinuous Temperature (°C)	≤ 200°C	≤ 180°C	≤ 250°C	≤ 240°C	≤ 260°C	
Surge Temperature (°C)	≤ 230°C	≤ 210°C	≤ 270°C	≤ 260°C	≤ 300°C	

Mechanical Finish:

Water & Oil Repellent

PTFE Coating

PTFE Coating and PTFE Laminate (For PM10)

PTFE Lamination with Seal Tape (For PM 2.5)



Purified Performance





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| PURIFIED PERFORMANCE |

DUST COLLECTOR BAGS –WOVEN- (ASIANEX-(700 SERIES)

NOW WOVEN FILTER BAG For Temperature Range: 180°C To 300°C)



Code		AFT-700	AFT-710	AFT-720	AFT-730	AFT-740
Fiber		Aramid	PPS (Ryton)	PTFE (Teflon)	Polyimide (P84)	Fiberglass
Scrim		Aramid	PPS (Ryton)	PTFE	Polyimide (P84)	Fiberglass
Weight (g/m ²)		500-550	500-550	800	500-550	850-900
Thickness (mm)		1.8-2.0	1.6-1.8	1.2	2.0-2.2	2.5
Air permeability (cm ³ /cm ² /s@200Pa)		15-25	15-25	5-15	18-30	12-30
Tensile Strength (Kgf)	MD	≥ 1200	≥ 1200	≥ 1000	≥ 1000	≥ 2100
	CD	≥ 900	≥ 1000	≥ 850	≥ 800	≥ 2600
Finish		Calender & Signed	Calender & Signed	Calender & Signed	Calender & Signed	Calender & Signed
Countinuous Temperature (°C)		≤ 200°C	≤ 180°C	≤ 250°C	≤ 240°C	≤ 260°C
Surge Temperature (°C)		≤ 230°C	≤ 210°C	≤ 270°C	≤ 260°C	≤ 300°C

Mechanical Finish:

Water & Oil Repellent

PTFE Coating

PTFE Coating and PTFE Laminate (For PM10)

PTFE Lamination with Seal Tape (For PM 2.5)



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**Filter Bag
Filter Cage
Cage Caps
Venturi**



**Filter
Cartridges**



Technical Chart - Chemical and Abrasion Resistance of Fibers.

Generic Type	Examples	Max Working Temperature (°C)	Abrasion Resistance	Acid Resistance	Alkali Resistance	Some Damaging Agents
Polyester	Dacron Trevira	150	VG	G	P	Quicklime, conc. mineral acids, steam hydrolysis
Polyaramid	Nomex Conex	200	VG	P	VG	Oxalic acid, mineral acids, acid salts
Polyimide	P84	260	VG	P	VG	Oxalic acid, mineral acids, acid salts
Cellulose	Cotton Viscose	100	G	P	VG	Copper sulphate, mineral acids, acid salts, bacteria
Silicate	Fibreglass	260	P	F	F	Calcium Chloride, Sodium Chloride, Strong Alkalis
Homopolymer acrylic	Dolanit Zefran Ricem	140	G	G	F	Zinc and Ferric Chloride, Ammonium Sulphate, Whiocyanates
Copolymer Acrylic	Dralon Orlon	120	G	G	F	As above for homopolymer
Polypropylene	Moplefan (Trol)	90 (125)	G	E	E	Aluminium Sulphate, Oxidising Agents, e.g. Copper Salts, Nitric Acid
PTFE	Teflon Rastex	260	F	E	E	Fluorine
Polyamide	Nylons	100	E	P	E	Calcium chloride, zinc chloride, mineral acids
Polypeptide	Wool	110	G	G	P	Alkalis, Bacteria
Polyphenylene Sulphide	Ryton Procon	190	G	VG	E	Strong Oxidising Agents
PEEK	Zyex	250	VG	G	G	Nitric Acid
Polyester	Dacron Trevira	150	VG	G	P	Quicklime, conc. mineral acids, steam hydrolysis

(VG)- VERY GOOD | (G) –GOOD | (F) - FAIR | (E) – EXCELLENT | (P) - POOR



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PLEATED BAGS & CARTRIDGES FOR DUST COLLECTION

PLEATED BAGS (Polyurethane Top & Bottom) & Metallic Press Pleated Bag

Diameter (mm)	Length (mm)	Pleat Depth (mm)	No. of Pleats (mm)	Area (sq mtr)
160	500	16	63	0.96
160	1000	16	63	2.00
160	1400	16	63	2.75
160	2000	16	63	4.00

PLEATED CARTRIDGE:

Diameter (mm)	Length (mm)	Pleat Depth (mm)	No. of Pleats (mm)	Area (sq mtr)
150	500-2000	16/28	40-60	0.98-5.00
225	500-2000	16/28/48	60-80	0.98-16.00
325	500-1400	28/48	80-100	2.5-16.00

Material Construction of Pleated Cartridge:

TOP: Aluminum/MS/SS304,

BOTTOM: GI/MS/SS 304,

INNER: Perforated sheet

Range of Media Offered:

- Spun bonded polyester 260gsm
- Spun bonded polyester 260gsm with OWR
- Spun bonded polyester 260gsm with antistatic
- Spun bonded polyester 260gsm antistatic with OWR
- Spun bonded polyester 260gsm with PTFE membrane laminated



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Filter Bag
Filter Cage
Cage Caps
Venturi



Filter
Cartridges



MICRON FILTER BAGS FOR LIQUIDS

Liquid filter bags for all types of liquid filtration system. We offer a complete line of replacement and custom designed liquid filters to fit most manufacturer filter bag housing.

Micron ratings from 0.5 to 1500 microns to suit your application.

Product Specification	Micro range (Âµm)
Needle non woven filter bag 01. of Polyester and Polypropylene	1, 5, 10, 25, 50, 75, 100, 150, 200
Nylon and Polyester mesh filter bags	25, 50, 80, 100, 125, 150, 200, 250, 300, 400, 600, 800, 1000

Industries:

- Textiles Industries
- Pharmaceutical Industries
- Chemical Industries
- RO water Industries
- Oil and Petroleum Industries
- Petrochemicals Industries
- Dyes & Pigments Industries
- Paints Industries
- Food & Beverages Industries
- Carbon Micronizing Industries and Others



Purified Performance.





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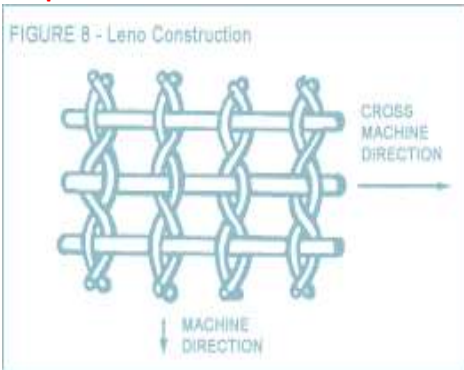
| PURIFIED PERFORMANCE |



**Filter Bag
Filter Cage
Cage Caps
Venturi**



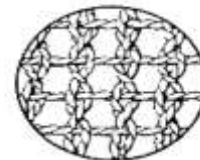
**Filter
Cartridges**



Leno Weave

9-1

- a locking type weave in which two or more warp yarns cross over each other and interface with one or more filling yarns.
- used primarily to prevent shifting of yarns in open fabrics.
- Sheers, semi sheers, and casements (coarsely woven sheers)



The **aluminium filter cloth** finds itself widely used in manufacturing automobile wheels, motorcycle wheels, cylindrical piston and many other parts made of aluminium.

About the Product:

- An ideal medium for aluminium filtration.
- Available in roll as well as sheet and customized shape.
- Reduces scrap post-casting and smelting.
- High thermal resistance
- Eliminates external impurities for smooth surface.
- Customized mesh specifications.
- Cloth starts from 50 till 400 meshes.

Application:

- Automobile wheels
- Aluminium components
- Aluminium extrusion
- Aluminium ingots.

Technical Specification:

MESH	CONSTRUCTION	WEAVE	HOLE (MMA)	% Open Area
25	5x5	Leno	17.17;	64+/-4
36	6x6	Leno	11.57	64+/-4
50	7x7	Leno	07.47	54+/-4
100	10x10	Plain	02.73	42+/-4
200	14x14	Plain	01.72	47+/-4
255	17x15	Plain	01.15	43+/-4
400	20x20	Plain	00.44	27+/-4