

SPECIALIZING IN
THE PRODUCTION OF
FILTER PAPER



CATALOG

B Miles Global Co.,Ltd.

Depth Filter sheets

For food and beverage industries (Also produce pharmacy grade filter sheet)

Characteristics

YB series is developed for beverage and food industry, is a new, mineral-free depth filtration system for a wide range of applications including coarse filtration, clarifying filtration, fine filtration and sterile filtration. The filter paper sheet has good physical adsorption capacity and the pore sizes can be fine enough to retain bacteria and thus produce a sterile liquid. In the filtration process, solid particles are slowed down and eventually retained by the tortuous path inside in filter sheet and by electrokinetical interactions. Through this unique mechanism, a long lifetime of filter until plugging can be achieved. All materials are food and pharmacy grade and FDA approved.

1. The products can tolerate ethanol, isopropanol, glycerine, weak acid, weak base and etc.
2. Can tolerate 121 degree heat sterilization.
3. Have intercept, adsorption and filtration capacity.
4. All material was treated by special process, so that can confirm very low dissolution and endotoxin content.

Applications



- ※ Biotech
- ※ Beverage (wine/beer/spirits/oil/juice.....)
- ※ Fine chemicals
- ※ Herbal or other natural extracts
- ※ Cosmetics perfume ※



Filter Sheet Specification

Model	Micron rate (um)	Thickness (mm)	Filter time (mins)	wet strength (kpa)	Moisture (%)	Filtration range
YB03	15-20	3.7-3.8	1-3	500-600	5	Coarse filtration
YB06	10-15	3.7-3.8	6-10	500-600	5	Clarifying filtration
YB18	2-5	3.7-3.8	15-20	600-700	5	Fine filtration
YB28	0.1-1	3.7-3.8	20-30	600-700	5	Sterile filtration

Quality guarantee

1. Execute enterprise standard QFT 01-2015
2. Conform Chinese Pharmacopoeia 2010 appendix XIE.
3. Conform FDA21 CFA 177.2260
4. Conform AP(2001)1.

Item	Unit	Limit Value
Heavy metal	Pb	Mg/dm ²
	Cd	Mg/dm ²
	Hg	Mg/dm ²
Endotoxin	EU/ml	≤0.5
PH value		<6.5

Storage:

1. Products must be transported by waterproof and rain-proof conveyance, not the together with any nocuous volatile material. During the transportation, please handle with care.
2. The products must be putted on the pallet and 10cm higher than the ground and off wall 20cm. Must be putted in dry, dustless, Odorless and the relative humidity in 20%. Not together with any Volatile chemicals.
3. Storage life is 2 years.

Cooking Oil Filter Paper

Usage:

1. Can filter out the free fatty acids, superoxide, high molecular polymer, suspended matter and aflatoxin and etc. From the frying oil.
2. Can remove the sallow color of the frying oil, and improve the color and lustre of the frying oil and also can remove peculiar smell.
3. Can inhibit the oxidation and acidification reaction of the frying oil. It can improve the quality of the frying oil and in the mean time it can improve the quality of the frying food and extend the shelf-life.
4. As a prerequisite, to comply with food hygiene regulation, to make full use of the frying oil and also to bring better economic benefits for enterprises.

Features of Cooking Oil Filter

1. Resistant to elevated temperatures.No obvious strength reduction after immersed in 200 degree oil.
2. Good filtration performance.make the frying oil clear,transparent and achieve the purpose of filtering the suspended matter.
3. Good air permeability.Make the high sticky oil material flow smoothly in high speed.
4. High strength.Can be working in the -0.8MPA vacuum environment.
5. High bursting strength.The bursting strength can achieve 350KPA ,the tensile MD is 65N and CD is 45N.

Filter Paper Specification

Cellulose Pulp Filter Paper



Type	Grammage (g/m ²)	Thickness (mm)	Tensile Strength MD/5cm	Tensile Strength CD/5cm	Air permeability ($\Delta p=200\text{pa L}/100\text{cm}^2.\text{min}$)	Bursting Strength (Kpa)	Micro Rate (μm)
U-35	35 \pm 5	0.25 \pm 0.01	60	38	130	180	<50
U-55	55 \pm 5	0.33 \pm 0.01	120	40	190	280	<35

Wooden Pulp Crepe Surface Filter Paper



Type	Grammage (g/m2)	Thickness (mm)	Moisture (%)	Whiteness(%)	Bursting Strength (Kpa)	Micro Rate (um)
UC-80	80±5	0.27±0.01	9-10	>60	>400	15-25
UC-150	55±5	0.50±0.01	9-10	>60	>400	20-25

The filter paper made of 100% imported natural cellulose pulp and wooden pulp, the size can be customized.both in roll and in sheet are available. Other basic weight can produce if large quantity.

Filter Paper Envelope



Filter paper envelope widely used in food oil filtration.
 100pcs/pack.
 The size can be customized.
 With or without holes all available.
 150g crepe paper materials and 55g plant cellulose pulp materials

Industrial Grade Oil Filter Paper

Usage:

The oil filter paper has good filtration and absorbing performance, also good bursting strength.

Widely used for filter petrol / chemical oil / industrial oil / electroplate liquid / turbinol oils etc.

The paper used in plate and frame oil filter machine, can cut in different size to suitable for the machine. The micron rate can adjust according to filter material. Long using life, acid and alkali resistance is its most advantage.



Filter Paper Specification

Type	Grammage (g/m ²)	Thickness (mm)	Moisture (%)	Whiteness (%)	Bursting Strength (Kpa)	Micro Rate (um)	Ash content (%)
UI-270	270±5g	0.7±0.02	8-9	>70	>600	20-30	<10
UI-390	390±5g	1.0±0.02	8-9	>70	>700	20-30	<10

Remarks

1. The paper can be provided in roll or cut in sheet as customized.
2. Other Thickness can produce if need large quantity.

Qualitative & Quantitative Filter Paper

Usage:

Qualitative filter paper is made with quality advanced cotton as raw material.

Mainly used for qualitative chemical analysis, relevant filtering separation and manufacturing corresponding purity.

Widely used in department like scientific research, industry, agriculture, health and medicine, environmental protection etc.



Filter Paper Specification

Type	Grammage (g/m ²)	Thickness (mm)	Moisture (%)	Whiteness (%)	PH Value	Bursting Strength (Kpa)	Filter Speed	Ash content (%)
UA-80	80±5g	0.2±0.01	7-8	>85	6.0-8.0	>180	Fast / Medium / Slow	<0.06
UA-80	80±5g	0.2±0.01	7-8	>85	6.0-8.0	>200	Fast / Medium / Slow	<0.009

Remark:

Size: round sheet diameter 70mm 90mm 110mm 125mm 150mm 180mm 240mm etc. Also can cut in big sheet 500*500mm 600*600mm etc.

Micro Filter Membrane

Also provide Cellulose Acetate Membranes; PP membrane; Nylon membrane; Sterile Syringe Filter.

Coffee Filter Paper



Filter Paper Specification

Brand	<i>Usesoon</i>
Basic weight	53 ±0.1 g/m ²
Thickness	0.18mm -0.2mm
Materials	100% imported wooden pulp
Color	Natural brown color and White color all available
Packing	100pcs/bag 40pcs/bag PP bag without printing. Then in five layer export carton
OEM	Accepted
Paper origin	Both china paper and Imported Japan origin paper

Filter Paper Size

Cone shape	101# 102# 104#
V shape	V01 V02
Basket shape	125*55mm 155*45mm 185*50mm 250*110mm
Press disk shape	Diameter 56mm 58mm 60mm 64mm 68mm
Chemex kind	300*300mm; Dia 298mm; half moon shape 330*212mm
Hanging ear filter	72*95mm 50pcs/bag

Remark:

Accept customized bag and box packing. For box packing, MOQ 1000 boxes one time. PP bags MOQ 20000bags one time. Only stick label any quantity can be accepted.

Coffee & Tea bag Filter Paper



Filter Paper Specification

Spc/Unit (CODE)	Grams (g/m ²)	Permeability L/(m ² .s)	Thickness (μm)	Elongation (%)	Tensile Strength (N/15mm)				Heat sealing strength (N/15mm)	
					MD		CD		MD	CD
					W	D	W	D		
NH II 12.5	12.5±0.5	1595	37.5	1.89	3.63	15.21	1.25	4.63	---	---
H I 16.5	16.5±0.5	980	55.5	1.69	4.2	15.5	1.6	5.1	1.9	1.5
H II 16.5	16.5±0.5	1150	55.8	1.9	3.4	14.3	1.3	4.7	1.98	1.58
H I 21	21±1	650	65.1	2.14	4.51	16.88	2	7.31	2.07	1.67
H II 21.5	21±1	710	77	1.91	5.5	17.83	1.89	6.19	2.15	1.77
H I 25	25±1	480	82.6	2.04	6.29	22.08	2.47	8.55	3.03	2.3
H II 25	25±1	600	86.5	2.12	4.98	16.52	3.14	8.62	2.29	2.02
H II 29	29±1	515	102.7	2.08	5.35	19.21	3.52	10.43	2.59	2.36

Remark:

NH: Non-Heat-sealable

H: Heat-sealable

I: Fiber+Wood Pulp

II: Abaca Pulp+Fiber+Soft Wood Pulp



The filter paper in roll: Width can be customized

Also provide empty tea bags size: 6*7cm 8*10cm 10-12cm 10*13cm 15*15cm etc.

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