

Information on the availability of multiple sources of PTFE Filters which are not expected to disintegrate when sonicated.

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Description

Applications

Specifications

Ordering Information


Strong, chemically resistant membranes for air monitoring and sampling in aggressive environments

- Low chemical background permits highly sensitive, interference-free determinations.
- Ensures accurate gravimetric determinations with low tare mass.
- Zefluor™ membrane now available in 0.5 µm pore size to meet NIOSH specifications.
- Ideal for filtration of gas and/or organic solvents.



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PTFE Membrane Disc Filters


Description
Applications
Specifications
Ordering Information


- For air monitoring and sampling in aggressive environments.
- Supported membranes offer increased durability for hostile testing environments or acid aerosol monitoring.
- Teflo membrane offers unique PMP support ring for PM 10 and PM 2.5 dichotomous and other air sampling techniques.
- Ultimate in chemical compatibility for filtering harsh chemicals and HPLC mobile phases that destroy other membrane materials.

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Description

Zefluor™ Membrane

Teflo Membrane

Filter Media/Support	PTFE with PTFE support	PTFE with PMP (polymethylpentene) support ring
Typical Thickness	0.5 µm: 178 µm (7 mils) 1 µm: 165 µm (6.5 mils) 2 and 3 µm: 152 µm (6 mils)	1 µm: 76 µm (3 mils) 2 µm: 46 µm (1.8 mils) 3 µm: 30.4 µm (1.2 mils)
Typical Air Flow Rate (L/min/cm ² at 0.7 bar (70 kPa, 10 psi))	0.5 µm: 1 1 µm: 14.6 2 µm: 25.3 3 µm: 53	1 µm: 17 2 µm: 53 3 µm: 90
Minimum Bubble Point - IPA bar (psi)	Not Applicable	Not Applicable
Water Breakthrough bar (psi)	Not Applicable	Not Applicable
Typical Aerosol Retention*	0.5, 1, and 2 µm: 99.99% 3 µm: 99.98%	1 and 2 µm: 99.99% 3 µm: 99.79%

Description

Zylon™ Membrane TF (PTFE) Membrane

Filter Media/Support	Unsupported PTFE	PTFE on a polypropylene support
Typical Thickness	140 µm (5.5 mils)	0.2 µm: 139 µm (5.5 mils) 0.45 and 1 µm: 135 µm (5.3 mils)
Typical Air Flow Rate (L/min/cm ² at 0.7 bar (70 kPa, 10 psi))	5 µm: 13	0.2 µm: 2 0.45 µm: 3 1 µm: 7
Minimum Bubble Point - IPA bar (psi)	Not Applicable	0.2 µm: 1.0 (15) 0.45 µm: 0.4 (6) 1 µm: 0.1 (2)
Water Breakthrough bar (psi)	Not Applicable	0.2 µm: 2.8 (40) 0.45 µm: 1.1 (16) 1 µm: 1.0 (15)
Typical Aerosol Retention*	Not Applicable	Not Applicable

*Following ASTM D 2986-95A 0.3 µm (DOP) at 32 L/min/100 cm² filter media.



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PTFE Membrane Disc Filters[Order Online Now](#) Description Applications Specifications **Ordering Information**

Part Number	Description	Pkg	Price	Qty
Zefluor™ Membrane				
P5PQ025	0.5 µm, 25 mm	100/pkg	279.19	0
P5PQ047	0.5 µm, 47 mm	50/pkg	185.38	0
P5PL025	1 µm, 25 mm	100/pkg	258.69	0
P5PL037	1 µm, 37 mm with support pads	50/pkg	147.41	0
P5PL047	1 µm, 47 mm	50/pkg	171.98	0
P5PL090	1 µm, 90 mm	50/pkg	618.68	0
P5PL001	1 µm, 8 x 10 in.	25/pkg	1,089.95	0
60048	2 µm, 25 mm	100/pkg	261.63	0
P5PJ037	2 µm, 37 mm, with support pads	50/pkg	148.53	0
P5PJ047	2 µm, 47 mm	50/pkg	171.98	0
P5PJ001	2 µm, 8 x 10 in.	25/pkg	1,115.67	0
P5PI001	3 µm, 8 x 10 in.	25/pkg	1,094.42	0

Teflo Membrane

R2PL037	1 µm, 37 mm	50/pkg	290.36	0
R2PL047	1 µm, 47 mm	50/pkg	313.80	0
R2PJ037	2 µm, 37 mm	50/pkg	290.36	0
R2PJ041	2 µm, 41 mm	50/pkg	303.76	0
R2PJ047	2 µm, 47 mm	50/pkg	313.80	0
R2PI025	3 µm, 25 mm	50/pkg	287.01	0
60146	3 µm, 47 mm	50/pkg	315.55	0

Zylon™ Membrane

P4PH037	5 µm, 37 mm, with support pads	50/pkg	155.23	0
P4PH047	5 µm, 47 mm	50/pkg	170.86	0

TF (PTFE) Membrane

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66141	TF 200, 0.2 μ m, 13 mm	100/pkg	175.07	0
66142	TF 200, 0.2 μ m, 25 mm	100/pkg	233.42	0
66143	TF 200, 0.2 μ m, 47 mm	100/pkg	306.36	0
66630	TF 200, 0.2 μ m, 50 mm	100/pkg	325.44	0
66145	TF 200, 0.2 μ m, 142 mm	25/pkg	341.68	0
66146	TF 200, 0.2 μ m, 293 mm	25/pkg	1,109.30	0
66147	TF 450, 0.45 μ m, 13 mm	100/pkg	175.07	0
66148	TF 450, 0.45 μ m, 25 mm	100/pkg	233.42	0
66149	TF 450, 0.45 μ m, 47 mm	100/pkg	306.36	0
66631	TF 450, 0.45 μ m, 50 mm	100/pkg	325.44	0
66151	TF 450, 0.45 μ m, 142 mm	25/pkg	341.68	0
66152	TF 450, 0.45 μ m, 293 mm	25/pkg	1,109.30	0
66153	TF 1000, 1 μ m, 13 mm	100/pkg	175.07	0
66154	TF 1000, 1 μ m, 25 mm	100/pkg	233.42	0
66159	TF 1000, 1 μ m, 37 mm, with support pads	100/pkg	307.10	0
66155	TF 1000, 1 μ m, 47 mm	100/pkg	306.36	0
66158	TF 1000, 1 μ m, 293 mm	25/pkg	1,076.98	0

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Check out our new line of
Prefilter Syringe Filters
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101-500	US\$326.01

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PTFE Membrane Filter,90mm, Hydrophilic,0.45µm,1pk/100pcs **Select**

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PTFE Membrane Filter,90mm, Hydrophobic,1.0µm,1pk/100pcs **Select**

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Qty	Unit Price
10-100	US\$345.19
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Hydrophobic, 5.0µm, 1pk/100pcs

Price : US\$383.54

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Qty	Unit Price
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101-500	US\$326.01

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90mm, 100/pack

Price : US\$383.54

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Qty	Unit Price
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101-500	US\$326.01

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Promotion

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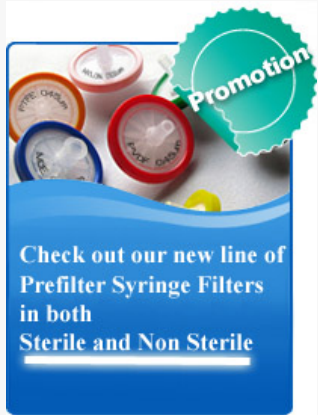
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PTFE Membrane Filter, 150mm, Hydrophilic, 0.22µm, 1pk/100pcs

Price : US\$482.58

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PTFE Membrane Filter, 150mm, Hydrophobic, 0.45µm, 1pk/100pcs

Price : US\$362.08

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Qty	Unit Price
10-100	US\$325.87
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PTFE Membrane Filter, 150mm, Hydrophilic, 0.45µm, 1pk/100pcs

Price : US\$482.58

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PTFE Membrane Filter, 150mm, Hydrophobic, 1.0µm, 1pk/100pcs

Price : US\$362.08

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[Click for More](#) Product number: **SF13853**

PTFE Membrane Filter, 150mm, Hydrophilic, 1.0µm, 1pk/100pcs

Price : US\$482.58

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[Click for More](#) Product number: SF13873

PTFE Membrane Filter, 150mm,
Hydrophobic, 5.0µm, 1pk/100pcs

Price : US\$362.08

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Qty	Unit Price
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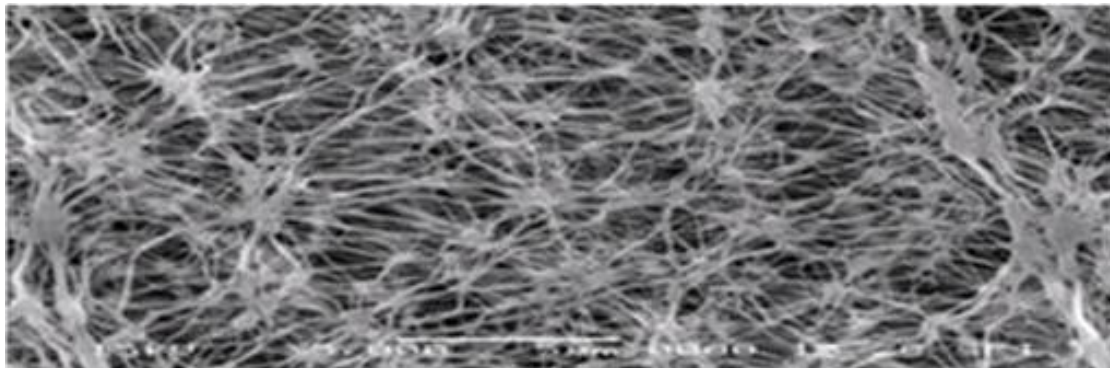
Product Description

MS PTFE membrane media for filtration is made of PTFE(polytetrafluoroethylene), and were drawn 2-dimension. It is micro-pore film. The PTFE membrane was laminated with s great variety of fabric and paper. They are new filter media. Applied to extensive industries, including pharmacy, biochemistry, microelectronic, and lab material and etc. Directly and indirectly related to pharmacy, brewing, manufacture of pure water and special need water, beverage and dairy, chemical reagent, biochemical reagent, air filtration of fermentation tank in microelectronic, purification and filtration in microelectronic plants, filtration and separation of antibacterial fluid, production of medicine, air conditioning of hospitals and commercial buildings.

Features

- PTFE membrane with supporting layer polyester or polypropylene.
- The PTFE membrane can effectively filtrate microorganism and other particulates.
- Wide chemical compatibility
- High temperature resistance
- Low starting resistance

Morphology



Applications

- Filtration of strong acids and aggressive solutions.
- Venting applications.
- Phase separations.
- Aerosol samplings.

Technical Parameter

Product Types	Substrate	Thickness (μ m)	Pore Size(μ m)	Bubble Point In IPA(MPa)	Air Perm(m3/ m2hr) (ΔP=0.01MPa)	Maximum Temperature()
PTFE	PP	160±40	0.45	0.08-0.13	500-800	150-170
PTFE	PP	160±40	0.22	0.14-0.16	300-500	150-170
PTFE	PET	140±20	0.45	0.08-0.14	500-800	250
PTFE	PET	140±20	0.22	0.14-0.18	300-500	250