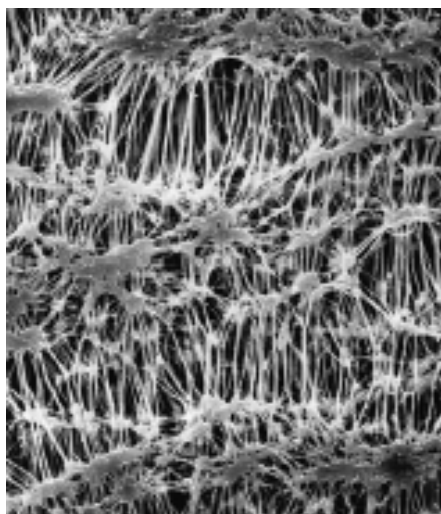


МЕМБРАННЫЕ ФИЛЬТРЫ FLUOROPORE / OMNIPORE PTFE



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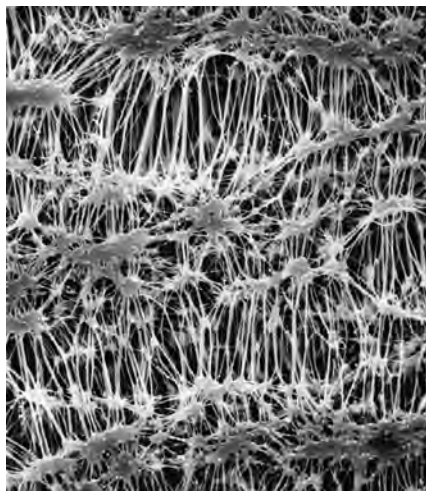
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Fluoropore™ and Omnipore™ PTFE Membrane Filters

PTFE with and without backing material



Fluoropore™ Membrane is a hydrophobic, polytetrafluoroethylene (PTFE) polymer membrane bonded to a high density polyethylene support. (Catalogue numbers containing "FHUP" have no backing.) Fluoropore™ Membranes provide broad chemical compatibility, high flow rates and consistency.

Omnipore™ Membrane is hydrophilic PTFE compatible with virtually all solvents, acids, and alkaline solutions.

Features & Benefits

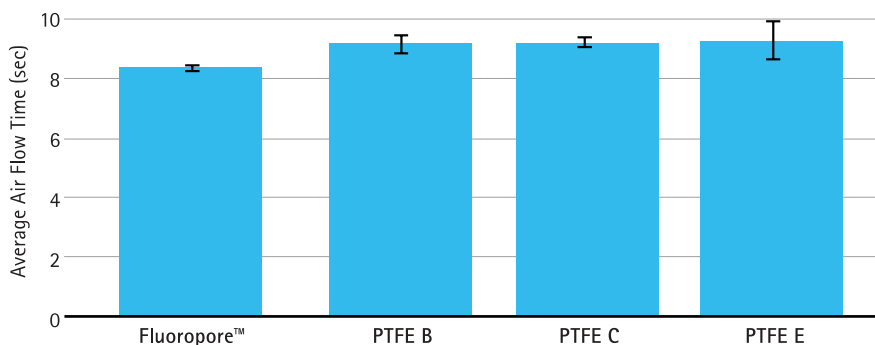
- Biologically and chemically inert
- High porosity yields high flow rates
- Hydrophobic and hydrophilic PTFE varieties available for filtration of aqueous and organic-based samples

Applications

Fluoropore™ Membrane: Clarifying Acids, Bases and Solvents; Air Monitoring; Filtering and Venting Gases; UV Spectroscopy

Omnipore™ Membrane: Filtration of Aqueous Solutions, Clarifying Acids and Alkaline Solution

Product Performance



Faster flow and less variability than competitors for consistently strong performance. Air flow through PTFE membranes from various suppliers was measured using a Gurley 4110 Densometer with 0.1 in² aperture size and 100 cc air setting and a 20 oz cylinder.

Specifications

Sterilization	Ethylene oxide or autoclave (121 °C at 1 bar)
Bacterial Endotoxins	0.5 EU/mL
Gravimetric Extractables	<0.5%

Detailed Specifications

Applications	Filter Code ¹	Pore Size (µm)	Bubble Point ² (psi)	Thickness (µm)	Liquid Flow Rate ³ (mL/min/cm ²)	Air Flow Rate ⁴ (L/min/cm ²)	Oper. Temp. (°C)	Porosity (%)
Fluoropore™ Membranes (hydrophobic)								
Clarifying acids, bases, and solvents, air monitoring, filtering or venting gases, UV spectroscopy	FGLP	0.2	14.8	150	24	5	130	85
	FHLP	0.45	9.2	150	60	9	130	85
	FALP	1.0	7.0	150	110	16	130	85
	FSLW	3.0	1.0	150	286	20	130	85
	FHUP	0.45	6.2	50	75	9	130	NA
Omnipore™ Membranes (hydrophilic)								
Clarifying acids, alkaline solutions, and virtually all solvents	JVWP	0.1	23.6	30	>10			
	JGWP	0.2	13.6	65	>28			
	JHWP	0.45	7.9	65	>74			
	JAWP	1.0	3.6	85	>156			
	JMWP	5	2.1	85	>391			
	JCWP	10	0.7	85	>446			

¹Corresponds to first 4 digits of catalogue number.

²Bubble point determined with methanol, except FHUP which was tested with isopropyl alcohol (IPA). Omnipore™ membrane tested with IPA.

³Fluoropore™ membrane tested with methanol at 27.5 in. Hg. (average values). For Omnipore™ membrane, 100 mL water, 20 °C, 47 mm disc, 8.97" in. Hg. vacuum

⁴Air flow rates for Fluoropore™ membrane are tested at 10 psi.

Ordering Information

Pore Size (µm)	Filter Diameter (mm)	Qty/Pk	Catalogue No.
Fluoropore™ (PTFE) Membrane Filters			
0.22	13	100	FGLP01300
	25	100	FGLP02500
	47	100	FGLP04700
	90	50	FGLP09050
	142	50	FGLP14250
0.45	13	100	FHLP01300
	25	100	FHLP02500
	37	100	FHLP03700
	47	100	FHLP04700
	90	50	FHLP09050
	142	50	FHLP14250
1.0	13	100	FALP01300
	25	100	FALP02500
	37	100	FALP03700
	47	100	FALP04700
	90	50	FALP09050
	142	50	FALP14250
3.0	25	100	FSLW02500
	37	100	FSLW03700
	47	100	FSLW04700
	90	25	FSLW09025
	142	10	FSLW14200
Unlaminated Fluoropore™ (PTFE) Membrane Filter			
0.45	47	100	FHUP04700

Pore Size (µm)	Filter Diameter (mm)	Qty/Pk	Catalogue No.
Omniopore™ (hydrophilic PTFE) Membrane Filters			
0.1	13	100	JWVP01300
	25	100	JWVP02500
	47	100	JWVP04700
	90	25	JWVP09025
	142	25	JWVP14225
0.2	13	100	JGWP01300
	25	100	JGWP02500
	47	100	JGWP04700
	90	25	JGWP09025
	142	25	JGWP14225
0.45	13	100	JHWP01300
	25	100	JHWP02500
	47	100	JHWP04700
	90	25	JHWP09025
	142	25	JHWP14225
1.0	13	100	JAWP01300
	25	100	JAWP02500
	47	100	JAWP04700
	90	25	JAWP09025
	142	25	JAWP14225
5.0	13	100	JMWP01300
	25	100	JMWP02500
	47	100	JMWP04700
	90	25	JMWP09025
	142	25	JMWP14225
10.0	13	100	JCWP01300
	25	100	JCWP02500
	47	100	JCWP04700
	90	25	JCWP09025
	142	25	JCWP14225



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