

## PTFE Hydrophobic Membrane

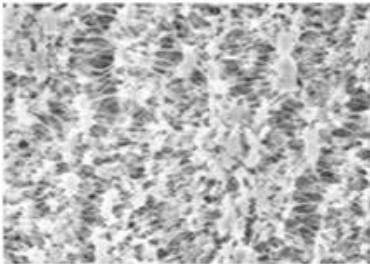
### Picture



### Major Advantages:

- White flat sheet hydrophilic PTFE membrane
- Thickness—140 $\mu$ m
- Gravimetric analysis desorption—0.5 %
- Porosity—80 %

### Morphology



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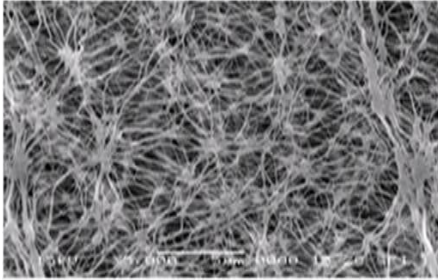
### Major Advantages

- PTFE membrane with supporting layer polyester or polypropylene.
- The PTFE membrane can effectively filtrate microorganism and other particulates.

### Features:

- 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

Item	Substrate	Thickness (µm)	Pore Size(µm)	Bubble Point In IPA(MPa)	Air Perm(m3/m2hr) (ΔP=0.01MPa)	Maximum Temperature(°C)
PTFE		40±10	0.45	0.10-0.14	600-1000	130
PTFE		40±10	0.22	0.14-0.20	300-600	130
PTFE	PP	180±10	0.45	0.08-0.13	500-800	150-170
PTFE	PP	180±10	0.22	0.14-0.16	300-500	150-170
PTFE	PET	140±10	0.45	0.08-0.14	500-800	250
PTFE	PET	140±10	0.22	0.14-0.18	300-500	250

### Ordering Information

Part #	Material	Diameter (mm)	Qty (PK)	Pore Size (µm)
MFPTFE293	PTFE	Φ293	10	<b>0.22</b>
MFPTFE142		φ142	10	<b>0.3</b>
MFPTFE100		φ100	25	<b>0.45</b>
MFPTFE47		Φ47	50	<b>0.68</b>
MFPTFE25		φ25	50	<b>1.2</b>