

PTFE Hydrophobic Membrane

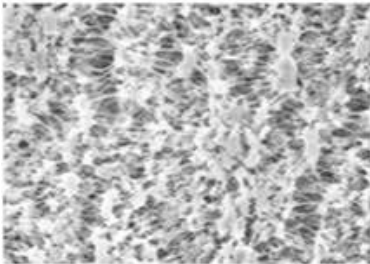
Picture



Major Advantages:

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

Morphology



PTFE Hydrophobic Membrane

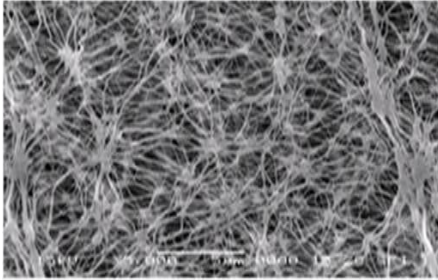
Major Advantages

- 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	0.22
MFPTFE142		φ142	10	0.3
MFPTFE100		φ100	25	0.45
MFPTFE47		Φ47	50	0.68
MFPTFE25		φ25	50	1.2