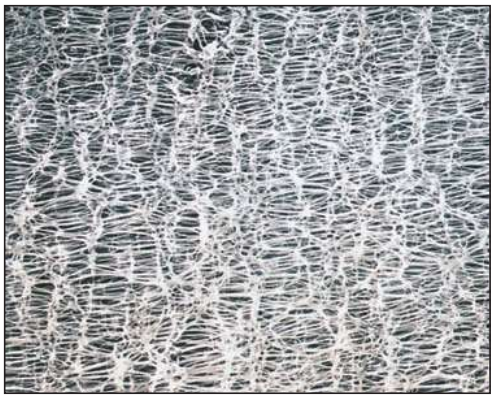
Hydrophobic PTFE

- **Properties:** Thin, highly porous, behaves as an absolute retentive membrane
- **Inert** to most chemically aggressive solvents, strong acids and bases
- **Operating Temperature Range:** -120 ~ 260°C
- **Autoclavable**


Hydrophobic PTFE

APPLICATIONS

- Sterilize gases: traps aqueous aerosols
- Air and gas venting: allows gases to pass freely while blocking aqueous liquids, protect vacuum pumps and critical samples
- Sterilize and clarify strong acids and many other solvents incompatible with other membranes

SPECIFICATIONS: HYDROPHOBIC PTFE MEMBRANE, CODE T

Pore Size (µm)	Bubble Point *1		Flow Rates *2	Porosity *3 (%)	Maximum Operating Temperature (°C)	Thickness (µm)
	MPa	psi	Acetone (mL/min/cm²)			
0.10	≥0.12	≥17.4	27.0	68	260	70
0.20	≥0.091	≥13.2	55.0	74	260	80
0.50	≥0.063	≥9.1	100	78	260	75
0.80	≥0.039	≥5.7	200	76	260	75
1.00	≥0.031	≥4.5	300	79	260	75
3.00	≥0.013	≥1.9	750	83	260	75

Definitions:
*1. Bubble point is the minimum pressure required to force air through a membrane which has been prewet with isopropylalcohol
*2. Flow rates determined under constant vacuum 0.7 kg/cm² (10 psi)
*3. Porosity refers to the percent open area

ORDERING INFORMATION: HYDROPHOBIC PTFE – NON-STERILE

Plain White discs

Pore Size (µm)	Diameter					
	13 mm	25 mm	47 mm	90 mm	142 mm	293 mm
	Package of 100			Package of 25		Package of 10
0.10	T010A013A	T010A025A	T010A047A	T010A090C	T010A142C	T010A293D
0.20	T020A013A	T020A025A	T020A047A	T020A090C	T020A142C	T020A293D
0.50	T050A013A	T050A025A	T050A047A	T050A090C	T050A142C	T050A293D
0.80	T080A013A	T080A025A	T080A047A	T080A090C	T080A142C	T080A293D
1.00	T100A013A	T100A025A	T100A047A	T100A090C	T100A142C	T100A293D
3.00	T300A013A	T300A025A	T300A047A	T300A090C	T300A142C	T300A293D

Metal Content (ppm)

Al	0.001	**K**	<0.1
Ca	0.001	**Mg**	0.005
Cr	0.001	**Mn**	<0.001
Cu	0.01	**Na**	<0.05
Fe	<0.001	**Ni**	0.005