

Hydrophobic PTFE with Polypropylene Net Support

- **Properties:** Thin, highly porous, behaves as an absolute retentive membrane
- **Supported:** Hydrophobic PTFE laminated with polypropylene to improve handling.
- **Inert** to most chemically aggressive solvents, strong acids and bases
- **Operating Temperature Range:** -35 ~ 130°C
- **Autoclavable**

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 membrane



Hydrophobic PTFE

SPECIFICATIONS: HYDROPHOBIC PTFE MEMBRANE, SUPPORTED, CODE J

Pore Size (μm)	Bubble Point ^{*1}		Flow Rates ^{*2}		Porosity ^{*3} (%)	Maximum Operating Temperature (°C)	Thickness (μm)
	MPa	psi	Acetone (mL/min/cm ²)	Air (L/min/cm ²)			
0.10	≥ 0.14	≥ 20.3	39.1	2.5	72	130	130
0.20	≥ 0.097	≥ 14.1	61.4	4.5	72	130	130
0.50	≥ 0.058	≥ 8.5	110	7.5	74	130	120
1.00	≥ 0.029	≥ 4.3	445	17	76	130	90

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, SUPPORTED – 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	J010A013A	J010A025A	J010A047A	J010A090C	J010A142C	J010A293D
0.20	J020A013A	J020A025A	J020A047A	J020A090C	J020A142C	J020A293D
0.50	J050A013A	J050A025A	J050A047A	J050A090C	J050A142C	J050A293D
1.00	J100A013A	J100A025A	J100A047A	J100A090C	J100A142C	J100A293D

Also available in:

- Cartridge format
- Capsule format
- Disposable syringe filter units