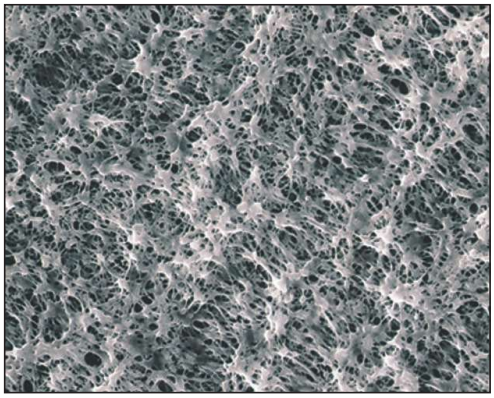
Hydrophilic PTFE

- **Characteristics:** Maximum chemical and pH resistance
- **High flow rates** with minimal aqueous extractables (<0.3 wt%)
- **Optically clear** when wet with water
- **Non-supported**
- **Thermostable:** can be used up to 100°C


Hydrophilic PTFE

APPLICATION

- Ideal for HPLC and other mixtures of aqueous and organic solvents

Note: Hydrophilic PTFE membrane filters are not autoclavable. Allowing the membrane to dry will render it hydrophobic.

SPECIFICATIONS: HYDROPHILIC PTFE MEMBRANE, CODE H

Pore Size (µm)	Bubble Point *1		Flow Rates *2		Porosity *3 (%)	Thickness (µm)	Maximum Operating Temperature (°C)
	MPa	psi	Water (mL/min/cm²)	Air (L/min/cm²)			
0.10	≥0.38	≥55.1	14	1.6	71	35	100
0.20	≥0.24	≥34.8	21	2.1	71	35	100
0.50	≥0.14	≥20.3	39	2.9	79	35	100
1.00	≥0.083	≥12.0	73	5.7	83	35	100

Definitions:
*1. Bubble point is the minimum pressure required to force air through a membrane which has been prewet with water
*2. Flow rate indicates initial flow rate at 10 psi using a KGS 47 filter holder
Water: using water prefiltered to 0.1 µm pore size
Air: using 25°C air at 10 psi
*3. Porosity refers to the percent open area

Metal Content (ppm)

Al	15	**K**	8
Ca	13	**Mg**	1
Cr	<1	**Mn**	0.1
Cu	0.5	**Na**	20
Fe	<10	**Ni**	0.9

ORDERING INFORMATION: HYDROPHILIC 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	H010A013A	H010A025A	H010A047A	H010A090C	H010A142C	H010A293D
0.20	H020A013A	H020A025A	H020A047A	H020A090C	H020A142C	H020A293D
0.50	H050A013A	H050A025A	H050A047A	H050A090C	H050A142C	H050A293D
1.00	H100A013A	H100A025A	H100A047A	H100A090C	H100A142C	H100A293D

Also available in:
- Cartridge format
- Capsule format
- Disposable syringe filter units