

**Hydrophobic Polypropylene Disc Membrane Filters****Specifications**

Materials	Membrane	PP
	Wettability	Weak Hydrophobic
	Color	White
Physical Properties	Filter Diameter	25mm/47mm/90mm/150mm/200mm
	Pore Size	0.22µm/0.45µm/1.0µm/3.0µm/5.0µm/10.0µm/15.0µm/20.0µm
	Maximum Operating Temp.	90°C
	pH Range	1.0 – 14.0
	Delivery Condition	Nonsterile
Sterility		
Package	Pack Size	50/pk, 25/pk

Performance

Pore Size	Average Water Breakthrough (water 20°C)	Air Flow Rate (@100ml*1in ² *4.88in.water)	Thickness (µm)
0.22 µm	≥40KPa	≤40s	200±50
0.45 µm	≥25KPa	≤15s	200±50
1.0 µm	≥15KPa	≤6s	210±50
3.0 µm	≥10KPa	≤2s	190±60
5.0 µm	≥5KPa	≤0.6s	440±100
10.0 µm	≥5KPa	≤0.6s	150±50
20.0 µm	≥3KPa	≤0.15s	220±70



Features

- Natural hydrophobic
- Chemical Compatibility pH 1-14
- High dirt holding capacity
- High flow rate

Applications

- Prefiltration and clarification
- Capture of aqueous aerosols
- Gas filtration

How to Use a PP Membrane Filter

1. Take one filter paper (not the blue backing paper) out of the box.
2. Place the membrane filter on the funnel assembly.
3. Adjust the sample container on the proper position.
4. Fix with a locker clip or clamp.
5. Attach the vacuum pump to the filtration set.
6. Pour the sample into the sample container and turn on the vacuum.

How to use a membrane?

