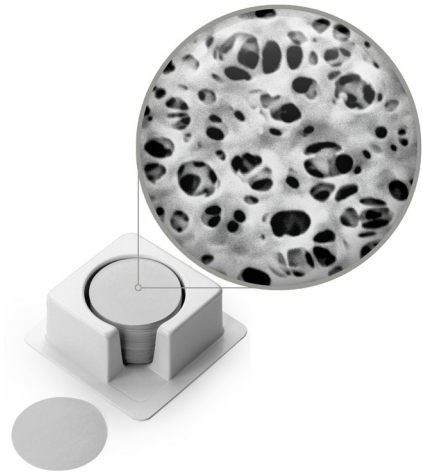


POLYETHERSULFONE (PES) MEMBRANE FILTERS

Hydrophilic, low binding, polyethersulfone (PES) membrane filters are ideal for general filtration, tissue culture media sterilization, and life science/bio-fluid applications.

During general filtration, inherent, asymmetric pores allow PES membranes to efficiently remove particulates from solutions. The high burst strength and durability offered by these filters allow for their use with aggressive handling and automated equipment. Low extractable levels eliminate the need for wetting agents, thereby reducing interference with analyses and providing fluid purification.



SPECIFICATIONS

GENERAL	
Sterilization	Gamma Irradiation, EtO, Autoclave
USP Class VI Testing	Passed
Nominal Thickness	110-150 μm
BSA Protein Binding	<20 $\mu\text{g}/\text{cm}^2$
Extractables	<2%
Max. Operating Temp.	266°F (130°C)
Sealing Compatibility	Ultrasonic, Heat, Radio Frequency, Insert Molding

APPLICATIONS

- Blood glucose testing
- Lateral flow assays
- Particulate removal
- Serum cholesterol testing
- Prefiltration
- Sterile solution preparation (0.22 μm)

PERFORMANCE BY PORE SIZE		
	H ₂ O Flow Rate ¹	Bubble Point (psi)
0.03 μm	5.5	90
0.10 μm	11.7	70
0.22 μm	33.2	50
0.45 μm	58.2	35
0.65 μm	95.5	21
0.80 μm	117.0	13
1.20 μm	143.0	11
5.00 μm	186.0	6

¹ Measured as mL/min/cm² at 10 psi (0.7 kg/cm²)