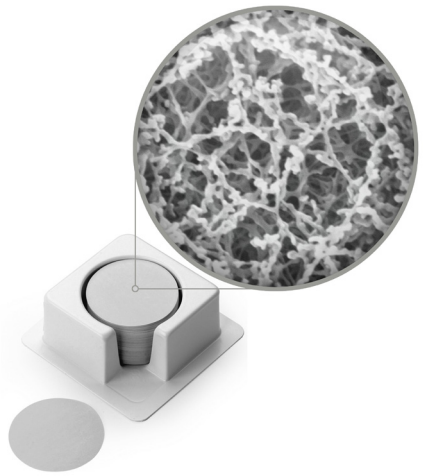
CELLULOSE ACETATE MEMBRANE FILTERS

Cellulose acetate (CA) membrane filters are hydrophilic, durable, and extremely low protein binding; ideal for applications requiring maximum protein recovery and minimal extractables.

Pure cellulose acetate filters are internally supported by an inert polyester web for exceptional dimensional strength. Along with naturally low binding characteristics, this design facilitates high throughputs and reduces the need for filter changes, effectively decreasing both cost and process time. Rigorous quality standards met during production ensure that pore sizes and material properties are consistent from lot to lot, providing predictable flow rates, analytical precision, and repeatable results across a wide range of samples and applications, including proteinaceous solutions, rigorous or automated processes, and thermal/pressure intensive conditions.



SPECIFICATIONS

GENERAL	
Sterilization	Gamma Irradiation, EtO, Autoclave
USP Class VI Testing	Passed
Nominal Thickness	65-110 µm (135 µm for Pore Size: 3.0 µm)
BSA Protein Binding	3.8 µg/cm² (26.8 µg/cm² for Pore Size: 3.0 µm)
Max Operating Temp.	274°F (135°C)

PERFORMANCE BY PORE SIZE		
	H_2O Flow Rate[1]	**Bubble Point (psi)**
0.22 µm	16.1	50
0.45 µm	54.7	30
0.65 µm	70.9	18
0.80 µm	81.3	14
1.20 µm	180	11
3.00 µm	500	5
5.00 µm	375	6

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

APPLICATIONS

- Protein/enzyme filtration and sterilization
- Biological fluid filtration and sterilization
- Tissue culture media sterilization
- Diagnostic cytology
- Receptor binding studies
- Enhanced recovery of fastidious gram-positive organisms