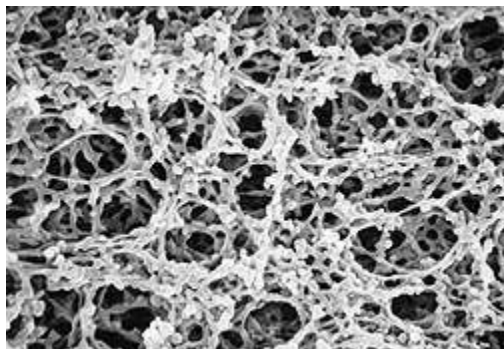


## CA (Cellulose Acetate) Membranes

### Product Information



- Lowest binding material available
- Hydrophilic
- High throughput
- Strength and dimension stability
- Uniform pore structure

### Applications

- Protein and enzyme filtration, sterilization
- Biological fluid filtration sterilization
- Tissue culture media sterilization

### Product Description

CA (Cellulose Acetate) membrane filters are composed of pure cellulose acetate modified to offer researchers the lowest binding filters available. Due to the extremely low binding characteristics, these filters provide higher throughputs than competitive offerings and reduce filter changes when filtering proteinaceous solutions. Because of their unique strength and extremely low binding characteristics, CA (Cellulose Acetate) filters are ideal for protein and enzyme filtrations, tissue culture media sterilization, cold sterilization, biological fluid filtration and other filtration applications where maximum recovery of proteins is critical.

CA (Cellulose Acetate) membranes are manufactured using a unique impregnation process that is internally supported by an inert polyester web eliminates cracking, tearing, breaking and distortion when handled or creased. Each filter has unequalled dimensional stability after autoclaving or steam sterilizing and is completely unaffected by temperatures up to 135°C (275°F). The exclusive impregnation process results in an acetate filter which has a burst strength of 130 psi, uniform pore size and consistent flow rates for reliable performance.

### Product Characteristics

Sterilization	Gamma Irradiation or Ethylene Oxide (EtO)
USP Class VI testing	Passed
Thickness	65 – 110 µm
BSA Protein Binding	3.8 µg/cm <sup>2</sup>
Maximum Operating Temperature	135° C (274° F)
Sealing Compatibility	Ultrasonics, Heat, Radio Frequency and Insert Molding
Pore Size Range	0.1 to 20 µm

## Performance Characteristics

Pore Size	0.1 $\mu\text{m}$	0.22 $\mu\text{m}$	0.45 $\mu\text{m}$	0.6 $\mu\text{m}$	0.8 $\mu\text{m}$	1.2 $\mu\text{m}$	5.0 $\mu\text{m}$	10.0 $\mu\text{m}$	20 $\mu\text{m}$
<b>Minimum Bubble Point</b> kg/cm <sup>2</sup> (psi)	70 (4.90)	50 (3.50)	30 (2.10)	18 (1.26)	14 (1.98)	11 (0.77)	6 (0.42)	5 (0.35)	3 (0.21)
<b>Typical Flow Rate</b> mL/min/cm <sup>2</sup> @ 0.7 kg/cm <sup>2</sup> (10psi)	8.1	16.1	54.7	70.9	81.3	180	375	592	1441