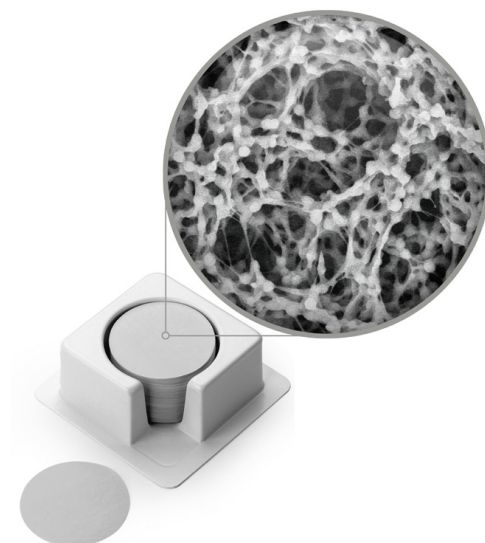


PVDF MEMBRANE FILTERS

Hydrophilic, extremely low extractable/protein binding, polyvinylidene difluoride (PVDF) membrane filters provide high flow rates and throughputs for aggressive, solvent-based mobile phase applications, biological sterilization/clarification, and HPLC/analytical sample preparation.

PVDF membranes do not require the use of wetting agents, transmitting negligible extractables and increasing sample purity during sterilization or clarification procedures. Broad chemical compatibility allows these filters to accommodate a wide range of applications (especially those requiring high flow rates/throughput), including aggressive/non-aggressive acids, alcohols, and solvents in mobile phase.



SPECIFICATIONS

GENERAL		
Sterilization	Gamma Irradiation, EtO, Autoclave	
USP Class VI Testing	Passed	
Nominal Thickness	115-125 µm	
BSA Protein Binding	4 µg/cm²	
Max. Operating Temp.	185°F (85°C)	
PERFORMANCE BY PORE SIZE		
	H2O Flow Rate¹	Bubble Point (psi)
0.22 µm	7.0	56.0
0.45 µm	29.0	25.0

¹ Measured as mL/min/cm² at 10 psi

² Measured as L/min/cm² at 10 psi

APPLICATIONS

- Aqueous and compatible organic HPLC samples and mobile phases
- Filtration/sterilization of proteinaceous aqueous solutions (e.g. culture media or cell lysate)
- Filtration of aqueous solutions (strong acids, bases, and oxidizers) and compatible solvents (alcohols, aromatic hydrocarbons)