

# PVDF Syringe Filters, 0.45 $\mu$ m, 25mm

09/19

(Luer-Lock/Luer Slip, Nonsterile, 100/pack, Store at RT)

<b>CATALOG #:</b>	M4495-100
<b>QUANTITY:</b>	100 per pack
<b>HOUSING MATERIAL:</b>	Polypropylene
<b>FILTRATION AREA (CM<sup>2</sup>):</b>	4.08
<b>WETTABILITY:</b>	Hydrophobic
<b>MAXIMUM OPERATING TEMPERATURE:</b>	100°C
<b>FLOW RATE (ml/min@10psi)</b>	35
<b>BUBBLE POINT (psi):</b>	0.04
<b>BURST PRESSURE (psi):</b>	87
<b>HOLDUP VOLUME:</b>	100
<b>VOLUME THROUGHPUT (ml):</b>	100
<b>STERILIZATION:</b>	Autoclave: 121 degrees Celsius for 30 minutes, Gamma: 5kg, for 8 hours
<b>STORAGE CONDITION:</b>	Room Temperature

**DESCRIPTION:** PVDF (Polyvinylidene fluoride) syringe filters are engineered specifically for use with aqueous solutions. In addition, they are suitable for minimal protein-binding; which increases the purification of non-aggressive aqueous and mild organic solutions, for applications where protein restoration is essential. Hydrophilic PVDF syringe filters are typically used for general filtration applications (both aqueous and organic), aggressive solvent filtration, sterilizing filtration of biological solutions, and HPLC sample preparation. They are characterized by high strength and porosity, a high flow rate, and low extractable. In addition, they possess broad chemical stability, provide low protein and drug binding, and offer excellent heat resistance.



PVDF Syringe Filter, Nonsterile

## RELATED PRODUCTS:

- Cellulose Acetate Syringe Filters (Cat# M4216-M4234)
- Glass Fiber Syringe Filters (Cat# M4238-M4248)
- Nylon Syringe Filters (Cat# M4268-M4301)
- PES Syringe Filters (Cat# M4322- M4349)
- Polypropylene Syringe Filters (Cat# M4363- M4384)
- PTFE Syringe Filters (Cat# M4416-M4468)
- PVDF Syringe Filters (Cat# M4483- M4513)

**FOR RESEARCH USE ONLY! Not to be used on humans.**