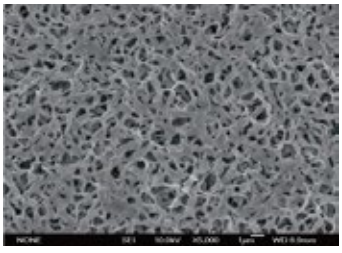
# MS® Hydrophilic PVDF Membrane

Membrane Solutions

## DESCRIPTION

Membrane-Solutions offers an unsupported PVDF membrane that is inherently hydrophilic. It is made by a unique phase inversion process, creating an asymmetric pore structure for superior flow rates and dirt holding capacities. MS® hydrophilic PVDF membranes are ideal for low protein binding requirements when filtering aqueous solutions.





SEM of hydrophilic PVDF (0.2 µm) membrane




Contact angle test of hydrophilic PVDF (0.2 µm) membrane

## FEATURES

- Unsupported
- Very low protein binding
- Excellent hydrophilicity
- High flow rate
- High dirt holding capacity
- Lower extractables
- Compatible with organic solvents, acids and bases

## APPLICATION

- Sterile filtration
- Filtration of acids and bases
- Biopharm, ophthalmic solutions, serum filtration

4530 B STREET NW #A, AUBURN WA 98001, USA
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## SPECIFICATION

| Proctuct Name | Pore Size (μm) | Width (mm) | Bubble Point (psi) 23 ℃ | Water Flow Rate (ml/min/cm²) (23 ℃,Δp = -10psi) |
|---|---|---|---|---|
| Hydrophilic PVDF Membrae | 0.1 | 260-508 | 26-35* | 6-12 |
| | 0.22 | | 51-65 | 12-20 |
| | 0.45 | | 22-36 | 40-80 |
| | 0.65 | | 17-21 | 80-100 |
| | 0.8 | | 12-15 | 100-150 |
| | 1.0 | | 8-11 | 150-200 |
| | 5.0 | | - | 400-500 |

* Wetted with 60/40% IPA/water (v/ v%).

## ORDERING INFORMATION

MS PVDF 022 L

| Series Code | Pore Size | Property |
|---|---|---|
| PVDF | 010=0.1 μm<br>022=0.22 μm<br>045=0.45 μm<br>100=1.0 μm<br>300=3.0 μm<br>500=5.0 μm | L——Hydrophilic |

*Custom roll, sheet, disc and pore sizes available upon request. Please contact us.

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