

# MS<sup>®</sup> PVDF Hydrophobic MF Membrane

## Description

MS<sup>®</sup> PVDF hydrophobic membranes can be prepared to exhibit high efficiency for particle removal. PVDF has a low critical surface energy and conventional, hydrophobic, PVDF membranes will not wet with aqueous fluids.

MS<sup>®</sup> PVDF hydrophobic membrane can ensure wet air and other gas pass through smoothly, even when the differential pressure is very low. It holds the opposite capability against PVDF hydrophilic membrane.

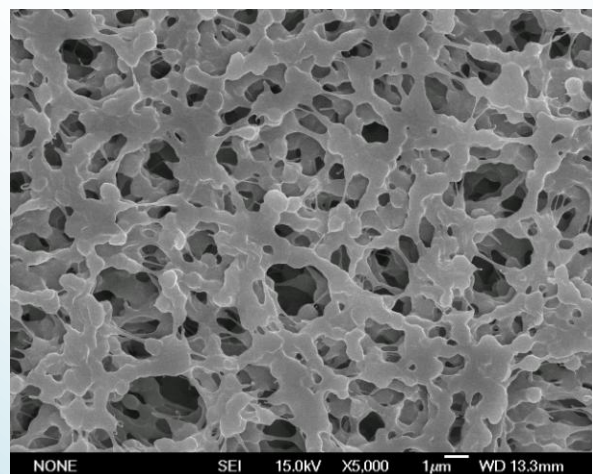
## Features

- ✧ Chemical compatibility
- ✧ Excellent mechanical properties
- ✧ High temperature capabilities
- ✧ Easy processing by extrusion, injection, compression, blow molding, solution processes



## Application

- ✧ Chemical Process Industry
- ✧ Off shore oil industry
- ✧ High purity fluid transportation
- ✧ Wire and cables
- ✧ Plumbing
- ✧ Lithium batteries



[www.membrane-solutions.com](http://www.membrane-solutions.com)

USA

Phone: 1-214-775-2940

Address: JP Morgan International Plaza  
Suite 650, 14241 Dallas Parkway,  
Dallas, TX, US

China

Toll free: 400-620-1660

Fax: 0086-21-51687551

Address: 2202, No.1759 North Zhongshan  
Road, Shanghai



## Specifications

Grade	Size (mm)	Pore Size (μm)	Thickness (μm)	Alcohol Bubble Point (MPa)	Alcohol Flow Rate (ml/min/cm <sup>2</sup> )
MSPVDF022200200B	200×200	0.22	140-160	0.10-0.17	17.6-29.3
MSPVDF0223003000B	300×3000	0.22	140-160	0.10-0.17	17.6-29.3
MSPVDF045200200B	200×200	0.45	140-160	0.04-0.12	32.5-49.2
MSPVDF0453003000B	300×3000	0.45	140-160	0.04-0.12	32.5-49.2
MSPVDF100200200B	200×200	1.0	140-160	--	--
MSPVDF100254300B	254×300	1.0	140-160	--	--
MSPVDF022254300B	254×300	0.22	140-160	0.10-0.17	17.6-29.3
MSPVDF045254300B	254×300	0.45	140-160	0.04-0.12	32.5-49.2
MSPVDF022300B	300(Width)	0.22	140-160	0.10-0.17	17.6-29.3
MSPVDF045300B	300(Width)	0.45	140-160	0.04-0.12	32.5-49.2
MSPVDF010300B	300(Width)	0.1	140-160	--	--

## Ordering Information

MS	PVDF	022	200200	B
	↓	↓	↓	↓
<b>Membrane Material</b>	<b>Pore Size</b>	<b>Size</b>	<b>Wettability</b>	
<b>PVDF</b>	<b>022=0.22μm</b>	<b>200200=200×200mm</b>	<b>B=Hydrophobic</b>	
	<b>045=0.45μm</b>	<b>3003000=200×200mm</b>		
	<b>100=1.0μm</b>	<b>254300=254×300mm</b>		
	<b>010=0.1μm</b>	<b>254=254mm (Width)</b>		
	<b>022=0.22μm</b>			
	<b>045=0.45μm</b>			

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