

MS[®] Hydrophilic Nylon Membrane

Description

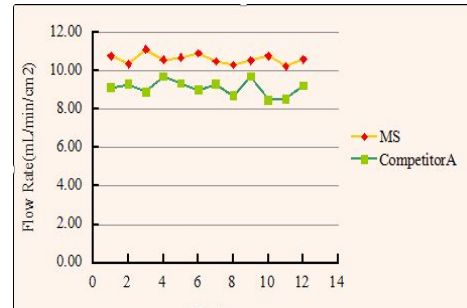
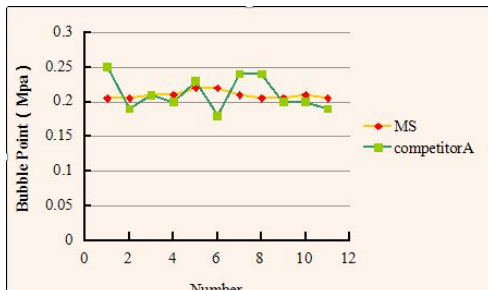
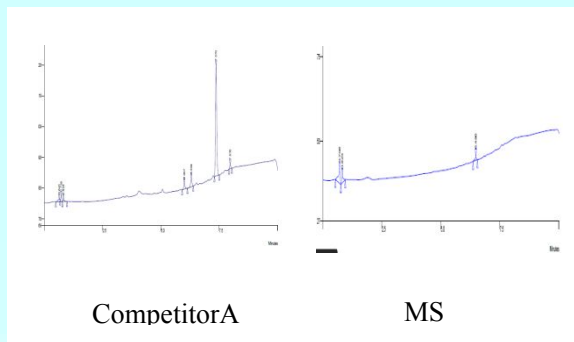
MS[®] Nylon membrane has naturally hydrophilic characteristic that it can be used to filter most organic solvent, such as alcohols/hydrocarbons/ethers/esters/ketone/benzen, having very wide chemical compatibility, can be used to remove micron-structured particles and bacterial in all kinds of solutions and majority solvent solutions.



Features

MS[®] Nylon membrane is made in 100,000 grade clean room and has a series of clean process result in the extremely low extractable, uniform pore size and high flow rate.

- Naturally hydrophilic: Wetting Time: <3 seconds to wet a ϕ 47mm disk with aqueous 1% methylene blue
- Low extractable: <0.2%
- High strength (PET supported)
- Operation pH: 2-13
- Operating temperature: 90°C max
- Retention rate: >99.99%
- Sterilization: autoclaving, 0.5h at 121°C 0.1MPa or with ethylene oxide



Stable bubble point and extremely low extractable (0.45 μ m)

www.membrane-solutions.com

USA

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China

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Road, Shanghai

Applications

- HPLC sample preparation and mobile phase filtration.
- Aqueous and alcoholic solvents and solutions filtration.
- Infusion therapy.
- Sterilize biological solutions or buffers.



Our Nylon micro-porous membrane

Membrane Name	Hydrophilic PA	Hydrophilic PA	Hydrophilic PA	Hydrophilic PA	Hydrophilic PA	Hydrophilic PA	Hydrophilic PA
Membrane Material	PA66	PA66	PA66	PA66	PA66	PA66	PA66
Support Material	PET	PET	PET	PET	PET	PET	PET
Structure	Symmetric	Symmetric	Symmetric	Symmetric	Symmetric	Symmetric	Symmetric
Pore Size	0.1µm	0.22µm	0.45µm	0.8µm	1.0µm	3.0µm	5.0µm
Retention Efficiency	>99.99%	>99.99%	>99.99%	>99.99%	>99.99%	>99.99%	>99.99%
Water Bubble Point	0.36-0.42Mpa	0.30-0.34Mpa	0.20-0.22Mpa	0.10-0.16Mpa	0.08-0.10Mpa	0.04-0.05Mpa	0.04Mpa
Water Flow Rate (at 10psi)	2.0-6.0 ml/min/cm ²	4.0-8.0 ml/min/cm ²	8.0-14 ml/min/cm ²	22-45 ml/min/cm ²	55-60 ml/min/cm ²	108-141 ml/min/cm ²	114.5-192.5 ml/min/cm ²
Thickness	100-130µm	100-140µm	100-130µm	100-120µm	100-120µm	100-120µm	100-120µm

Ordering information

MS	NY	022	270	100
	↓	↓	↓	↓
Membrane Material	Pore Size	Width	Length	
Nylon	022=0.22µm	270=270mm	100=100m	
	045=0.45µm	280=280mm	150=150m	
	005=0.05µm		050=50m	
	010=0.1µm	254=254mm	100=100m	
	100=1.0µm	270=270mm	150=150m	
	120=1.2µm	280=280mm	200=200m	
	500=5.0µm			

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