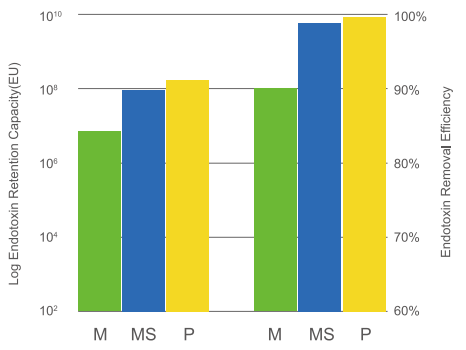
MS® Positively Charged Nylon Membrane

Membrane Solutions

DESCRIPTION

The positively charged nylon membrane produced by MS is made of nylon membrane with strong positive charge after surface treatment. Through the pore size screening and positive adsorption of nylon membrane, it has extremely high separation efficiency and can absorb substances with intercepting size much smaller than the pore size of the membrane. It is widely used to remove impurities such as internal toxins, bacteria, viruses, and fine particles.





Comparison of endotoxin removal efficiency between MS positively charged membrane and other brands (M and P are leading brands in the industry)



ADVANTAGES

- Good hydrophilicity
- High throughput, low extractables
- High positive charge density, large adsorption capacity
- Removal of endotoxin and fine particles

APPLICATIONS

- Filtration of endotoxin, bacteria, virus, etc.
- High-purity chemicals (silica sol filtration)
- Filtration of water for injection
- Filtration of food and beverage
- Filtration of ink

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SPECIFICATION

Product Name	Pore Size (μm)	Width (mm)	Thickness (mm)	Bubble Point (MPa)23℃	Water Velocity (ml/min/cm²) (23℃, Δp = -70kPa)
Positively Charged Nylon Membrane	0.05	260-300	100-120	0.42-0.45	3-4
	0.1			0.35-0.40	4-6
	0.22			0.28-0.34	8-12
	0.45			0.18-0.20	15-20
	0.65			0.12-0.16	20-25
	0.8			0.08-0.10	25-30
	1.0			0.06-0.08	40-60

* Bubble point test wetting fluid is purified water.

APPLICATIONS

Endotoxin removal efficiency: the removal efficiency of Escherichia coli (E.coli) endotoxin aqueous solution with a concentration not lower than 104 EU/mL>99.999%

Removal efficiency of polystyrene microspheres: Removal efficiency for 0.04 μm PS microspheres >99.99%

Note: The pore size of the tested membrane is 0.22 μm.

ORDERING INFORMATION

MS NY 022 P

Code of material	Pore size		Attribute
NY	005=0.05 μm 010=0.1 μm 022=0.22 μm 045=0.45 μm	065=0.65 μm 080=0.8 μm 100=1.0 μm	P

* If you have special requirements for width and pore size, please contact us: info@membrane-solutions.com

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