Membrane Solutions

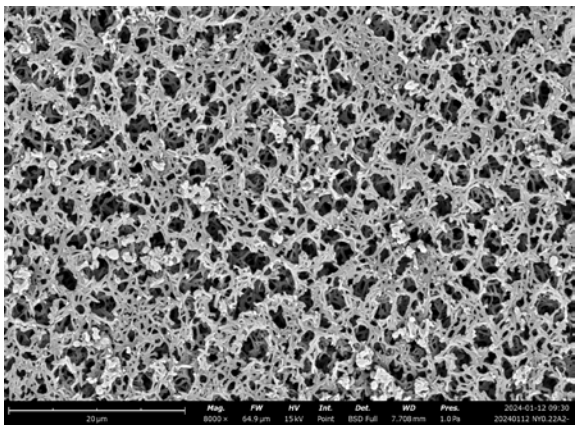
Membrane Solutions®

Hydrophilic
Nylon Membrane



OUR MEMBRANE , YOUR SOLUTIONS

Description



Membrane Solutions Nylon membrane has natural hydrophilic characteristic and excellent chemical performance that it can be used to filter most organic solvent, such as alcohols / hydrocarbons / ethers / esters / ketone / benzene, remove micron-structured particles and bacterial in all kinds of aqueous solutions and majority solvent solutions.

Features

Membrane Solutions Nylon membrane are 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.At the same time,we have mature production line and constantly updated technology,such as we have professional hydrophilic modification technology, the hydrophilicity of MS nylon membrane can be greatly improved, and it can a be wetted in 3 seconds with saturated salt water which has higher surface tension than pure water.

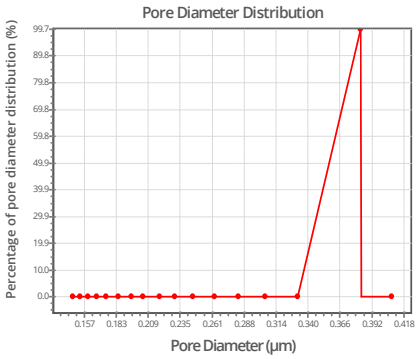
- Natural hydrophilic: Wetting Time: <3 seconds to wet a φ47mm disk with pure water
- Low extractable
- High strength (PET supported)
- Operation pH: 2-13
- Retention rate: 99.99%
- Different pore size:0.05-10um.
- Sterilization: autoclaving, EO or gamma.

Applications

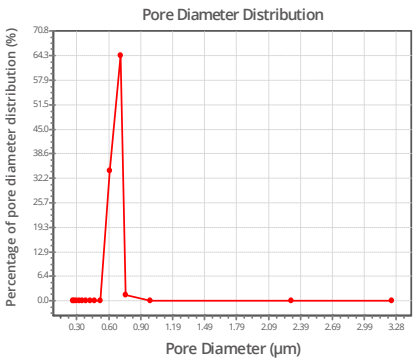


- Sample preparation and mobile phase filtration in Hromatographic analysi
- Particle and bacteria removal in laboratory and biopharmaceutical industries
- As a substrate for coating to filter smaller substances such as Viruses and amino acids.
- Filter of suspended solids and colloids in water treatment.
- Removal of particles and impurities in the chemical industry

Specification



0.22um Nylon membrane



0.45um Nylon membrane



Super Hydrophilicity of Nylon membrane

Basic Parameter					
Thickness(μm)	Width(mm)	Length(m)	Support	PH	Temperature(℃)
90-130	270/300	150-300	PET	2-13	90

Membrane Material	Pore size(μm)	Bubble Point(psi)	Water Flow Rate (mL/min/cm²/10psi)
Nylon66	0.05	60.9-87	1
	0.1	50.75-58	2-4
	0.22	40.6-49.3	4-8
		37.7-46.4	6-8
	0.45(Customized)	26.1-30.45	15-20
	0.45	26.1-30.45	12-15
	0.45	23.3-29	15-20
	0.65	17.4-20.3	18-25
	0.8	11.6-14.5	30-50
	1.0	8.7-11.6	50-70
	3.0	5.8-8.7	70-120
	5.0	4.35	120-150
	10.0(Customized)	2.9	>150

Ordering information

Code	Membrane Material	Width	Pore Size
MS	NY	270=270mm 300=300mm	022=0.22μm 045=0.45μm 010=0.10μm 065=0.65μm 100=1.0μm

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