MS® Hydrophilic PTFE Membrane

Membrane Solutions

DESCRIPTION

The hydrophilic PTFE membrane provided by MS includes hydrophilic composite membrane and hydrophilic pure membrane. Among them, the hydrophilic composite membrane is made by thermal coating ePTFE membrane with PP, PET and other non-woven fabrics, and then by surface hydrophilic treatment technology. Hydrophilic PTFE membrane, free of binder and soluble substances, has high peel strength, excellent and stable hydrophilicity, low protein adsorption, and is widely used in the filtration of aqueous solutions.



FEATURES

- Strong hydrophilicity
- High throughput, low extractables
- Low protein adsorption
- Anti-pollution

APPLICATION

- Ultra-pure electronic grade chemicals
- Handles aggressive chemical solutions
- Aqueous solution filtration
- Beverages, brewing and pharmaceuticals

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SPECIFICATION

Proctuct Name	Pore Size (μm)	Width (mm)	Bubble Point (MPa) 23℃	Water Velocity (ml/min/cm²) (23℃,Δp = -10psi)
Hydrophilic PTFE Membrae	0.05	260-508	0.3-0.35①	3-6
	0.1		0.2-0.24②	5-10
	0.22		0.4-0.5	10-20
	0.45		0.2-0.25	25-35
	1.0		0.12-0.15	70-85
	3.0		0.06-0.07	200-280
	5.0		-	350-450

* Bubble point test①② the wetting fluid is isopropanol and aqueous solution with a volume ratio of 60:40; unless otherwise specified, the wetting fluid for bubble point test is purified water.

ORDERING INFORMATION

FPL — 045 — A12

Series Code	Pore Size	Support Material Code
FPL	010=0.1 μm 022=0.22 μm 045=0.45 μm 100=1.0 μm 300=3.0 μm 500=5.0 μm	A12——PP support A16——PP support H60—— PP/PE support H70—— PP/PE support B51——PET support N——Pure membrane (no support)

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

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