MS® Hydrophobic PTFE Membrane

Membrane Solutions

DESCRIPTION

The hydrophobic PTFE membrane provided by MS, including pure PTFE membrane and composite PTFE membrane. Composite PTFE membrane is made of ePTFE membrane and PP, PET and other non-woven fabrics through thermal composite process, without binder and soluble substances, with high peeling strength and stable composite strength, which is convenient for welding and sealing. PTFE membrane has natural hydrophobicity and excellent permeability, and is widely used in various filtration fields.



FEATURES

- Hydrophobic
- Excellent breathability
- High throughput, low extractables
- Good uniformity
- High mechanical strength

APPLICATION

- Filtration for gas sterilization and impurity removal
- Filtration for liquid sterilization and impurity removal
- Ventilation for instruments and equipments
- Ventilation for packaging
- Dust removal and filtration

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SPECIFICATION

Proctuct Name	Pore Size (μm)	Width (mm)	Bubble Point (MAp) 23℃	Water Flow Rate (ml/min/cm²) (23℃, Δp = -70kPa)	Air Flux (L/min/cm²@7kPa)
Hydrophobic PTFE Membrane	0.05	260-508	0.3-0.35	3-6	0.1-0.2
	0.1		0.2-0.24	8-13	0.2-0.25
	0.22		0.14-0.17	20-25	0.4-0.5
	0.45		0.07-0.1	35-45	0.8-1.0
	1.0		0.04-0.05	80-100	1.5-2
	3.0		0.03-0.04	≥200	3-3.5
	5.0		0.02-0.03	≥300	4-4.5

*The wetting solution used for bubble point test is isopropanol and water solution with a volume ratio of 60:40.

ORDERING INFORMATION

FPB — 022 — A12

Series Code	Pore Size	Support Material Code
FPB	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 A16——PP H60—— PP/PE H70—— PP/PE B51——PET N—— Without Support

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

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