

ePTFE HYDROPHOBIC & OLEOPHOBIC VENT SOLUTIONS

AIR PERMEABLE HYDROPHOBIC AND OLEOPHOBIC MEMBRANES

Cobetter® ePTFE membrane is naturally hydrophobic and air permeable material. The uniformly distributed pore size provides effective retention of microbes and particles in air (gas). The excellent air permeability and high water intrusion pressures making it ideal for venting applications. Cobetter optimized the membrane support materials, allowing better sealing capability. Easy to be assembled into the different devices.

Cobetter offers also high performance oleophobic ePTFE membranes. It provides excellent air flow rate, in contact with low surface tension fluids such as solvents and oils.

ePTFE Membrane Vents

Cobetter's performance ePTFE membrane vents protect, life science products, medical devices, packages from water, liquids, dust, microorganism, harsh environment and pressure fluctuation. Benefits by installing Cobetter ePTFE vents:

- Contaminant Control. Water proof and dust proof to IP68, Protection against dust, particles and liquid immersion.
- Rapid Air Exchange and Pressure Equalization. Deliver contaminant free air; Prevent container distortion.
- Reduce Condensation. Vapor-permeable property.
- Flexible and Custom designs. Easier integration and installation.
- Consistent Performance due to reliable hydrophobic and oleophobic ePTFE membranes.
- Technical Team with broad application knowledge supports global customers.
- Quick sampling and product modification due to production flexibility.

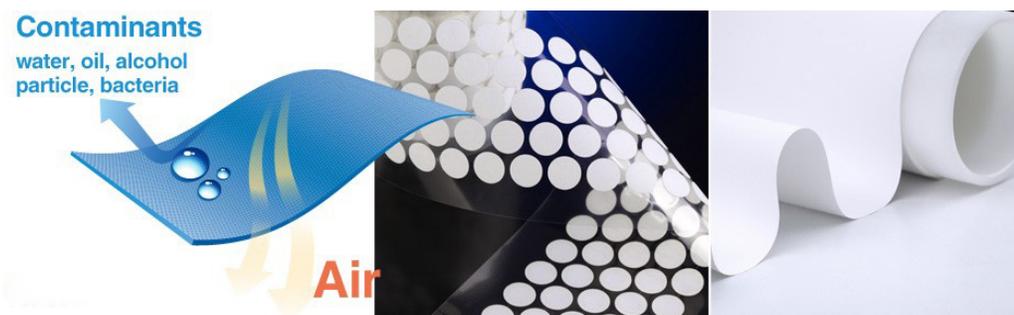
FEATURES

- Certified Chemical Safety (RoHS, REACH)
- Certified Biological Safety (ISO10993/USP Class VI)
- Optimized Backing Material, Better Sealing Capability
- Wide Range of Pore Sizes (0.02-10m)
- High Water Entry Pressure (WEP)
- Protection Ratings To IP68
- Compatible with Different Sealing Methods (Ultrasonic, Adhesive, Heat, RF, Mechanical)
- Sterilization Compatibility: Autoclave, Ethylene Oxide



Typical Applications:

- Protective Vents
- Wicking Separator
- Protective Vents
- Life Science & Medical Vents



SPECIFICATIONS

Typical Performance Characteristics (0.2µm)	Filtration Efficiency: 99.99999% Brevundimonas diminuta Air Flow Rates: a Gurley of 17-35sec Water Entry Pressure (60s): 370 KPa Thickness: 185m (Supported)
Available Pore Sizes (µm)	0.02, 0.03, 0.05, 0.1, 0.2, 0.45, 0.8, 1.0, 2.0, 5.0, 10.0
Backing Material	PET nonwoven, PP nonwoven, PP mesh, None
Backing Material Color	White, Blue, Black
Surface Characteristic	Hydrophobic, Hydrophobic & Oleophobic
Membrane Formats	Roll, Sheet, Disc, Customization, Adhesive Vents, Molded Vents



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