

Versapor® RC Membranes

Hydrophobic/Oleophobic Membranes

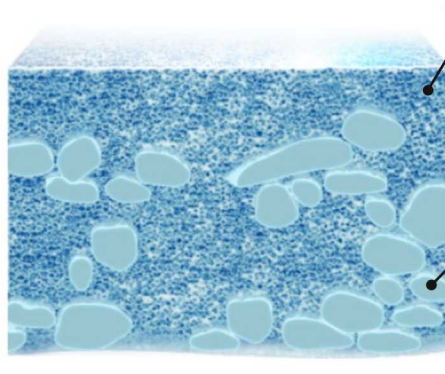
The Versapor RC range of hydrophobic and oleophobic membranes are used where particle, bacterial and viral retention is required in venting applications. Versapor RC membranes represent the next generation of venting materials, having been designed to specifically address changing market requirements driven by environmental legislation and regulations.

These filter membrane grades offer the physical integrity and ability to reduce the risk of aerosol particulate contamination, while demonstrating consistent performance over a broad range of operating conditions and sterilization methods, as well as meeting or exceeding typical industry requirements.

The Versapor RC membrane portfolio utilizes three materials of construction:

Proprietary Post-Treatment:

This environmentally friendly process imparts wetting resistance against low surface tension fluids. This is achieved through the application of a fluoropolymer surface modification to the membrane matrix.



Acrylic Copolymer Matrix:

Available in multiple pore sizes, its microporous structure is designed to ensure particulate retention, while maintaining high flow rates. It also offers dimensional strength, and broad chemical compatibility.

Non-woven support:

The support fabric enhances the membrane's physical properties by conferring high tensile strength and dimensional stability. This support is manufactured using randomly arranged continuous nylon fibers.

Applications

- Venting/hydrophobic barrier
- Equipment protection
- Air and gas filtration
- Medical bag/device vents

Sterilization Compatibility

- Gamma
- Ethylene Oxide (ETO)
- Autoclave

Sealing

- Ultrasonic
- Mechanical
- Adhesive
- RF Welding
- Heat

Specifications

Versapor RC				
Acrylic Copolymer membrane on non-woven nylon support				
Membrane Grade	Nominal Pore Size (µm)	Water Breakthrough (psi)	Air Flow (SLPM)	Thickness (mils)
Versapor 200RC Membrane	0.2	≥ 26.0	≥ 4.2*	6.0 - 12.0
Versapor 450RC Membrane	0.45	≥ 16.0	≥ 15.0*	
Versapor 800RC Membrane	0.8	≥ 8.0	≥ 39.0*	
Versapor 1200RC Membrane	1.2	≥ 6.0	≥ 34.0**	
Versapor 3000RC Membrane	3.0	≥ 3.0	≥ 60.0**	
Versapor 5000RC Membrane	5.0	≥ 2.0	≥ 88.0**	

* 3.7 sq.cm area @ 13.5 psi

** 3.7 sq.cm area @ 5.0 psi

Ordering Information

Membrane Grade	Dimensions	Pkg	Part Number
Versapor 200RC Membrane	7" X 10"	1 sheet	VRC02S7X10
Versapor 450RC Membrane	7" X 10"	1 sheet	VRC45S7X10
Versapor 800RC Membrane	7" X 10"	1 sheet	VRC08S7X10
Versapor 1200RC Membrane	7" X 10"	1 sheet	VRC12S7X10
Versapor 3000RC Membrane	7" X 10"	1 sheet	VRC30S7X10
Versapor 5000RC Membrane	7" X 10"	1 sheet	VRC50S7X10

Custom roll, sheet, and disc sizes available upon request.



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