

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.

Applications

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

Sealing

- Ultrasonic
- Mechanical
- Adhesive
- RF Welding
- Heat

Product Information

Specification

Acrylic Copolymer membrane on non-woven nylon support

Typical Membrane Characteristics

Membrane Grade	Nominal Pore Size (µm)	Thickness	
		mils	µm
Versapor 200RC Membrane	0.2	6.0-12.0	152.4-304.8
Versapor 450RC Membrane	0.45	6.0-12.0	152.4-304.8
Versapor 800RC Membrane	0.8	6.0-12.0	152.4-304.8
Versapor 1200RC Membrane	1.2	6.0-12.0	152.4-304.8
Versapor 3000RC Membrane	3.0	6.0-12.0	152.4-304.8
Versapor 5000RC Membrane	5.0	6.0-12.0	152.4-304.8

* 3.7 sq.cm area @ 13.5 psi

** 3.7 sq.cm area @ 5.0 psi

Typical Performance Characteristics

Water Breakthrough (psi)	Air Flow (SLPM)
≥ 26.0	≥ 4.2*
≥ 16.0	≥ 15.0*
≥ 8.0	≥ 39.0*
≥ 6.0	≥ 34.0**
≥ 3.0	≥ 60.0**
≥ 2.0	≥ 88.0**

Ordering Information

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

Please contact your local sales representative for additional information.

Part Number	Description	Pkg
VRC02S7X10	Versapor 200RC Membrane 7" X 10"	1/pkg
VRC45S7X10	Versapor 450RC Membrane 7" X 10"	1/pkg
VRC08S7X10	Versapor 800RC Membrane 7" X 10"	1/pkg
VRC12S7X10	Versapor 1200RC Membrane 7" X 10"	1/pkg
VRC30S7X10	Versapor 3000RC Membrane 7" X 10"	1/pkg
VRC50S7X10	Versapor 5000RC Membrane 7" X 10"	1/pkg



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