

POREX VIRTEK® PTFE MEMBRANE

Comparison to Pall® Versapor® R & Versapor® membranes

If you need an alternative to the discontinued Pall® Versapor® R or Versapor® membrane, make the switch to POREX Virtek® membranes for added benefits that were not possible with Pall Versapor.

The changing global healthcare environment requires differentiated, reliable and reproducible medical materials for increased precision, accuracy and consistency in current and next-generation medical devices. POREX Virtek® Medical PTFE membranes are 100% pure PTFE, maintaining the purity of PTFE along with its natural chemical resistance and other material benefits. Our portfolio of Medical PTFE membranes is performance tested and specifically designed for medical-surgical device applications with optimal airflow, bacterial filtration efficiency (BFE) and fluid barrier features.

Easy to assemble due to sintered pore structure

- Omni-directional
- Safe to handle during assembly without fear of damaging
- Can be mounted inside or outside of enclosure
- No scrim or support backing required
- Wide range of bonding techniques – adhesive backing, ultrasonic, insert molding, heat welding, or mechanical clamping

Design engineered for medical-surgical device applications

- 100% pure PTFE with no interfering support layers
- Hydrophobic surface naturally sheds water
- >99.999% Bacterial Filtration Efficiency (BFE)
- ASTM F 2638 conformity
- ETO & steam sterilization compatible
- Batch ID and date code printing available
- Broad range of flow and filtration capabilities

Typical Medical PTFE Applications



Infection Control

Materials for sterilization containers



Urology and Ostomy Care

Materials for urine drainage & ostomy collection systems



Drug Delivery

Materials for wearables and IV/safety catheters



Medical & Pharmaceutical Packaging

Materials for sterile container vents

POREX Virtek® PTFE Membrane Comparison to Pall® Versapor® R & Versapor® Membranes

Feature	POREX Virtek® PTFE Membrane	Versapor® R Membrane	Versapor® Membrane
Naturally extremely hydrophobic	Yes	No ¹	No ¹
100% pure PTFE	Yes	No	No
Durable sintered porous structure ²	Yes	No	No
High temperature resistance (continuous up to 260 °C)	Yes	No	No
Low thickness variation ³	Yes	No	No
UL 94 flammability (V0) Certified ⁴	Yes	No	No
Water naturally runs off either surface ⁵	Yes	No	No
PFOA free	Yes ⁶	ID	ID
Over 25 years of product availability (without reformulation) ⁷	Yes	No	No

ID = Insufficient Data

1 Requires secondary treatment to reach highest levels of hydrophobicity - Virtek does not

2 Virtek has no shelf life or special handling instructions while Pall states 5 years and special handling instructions on some data sheets

3 Virtek has much tighter published thickness specifications

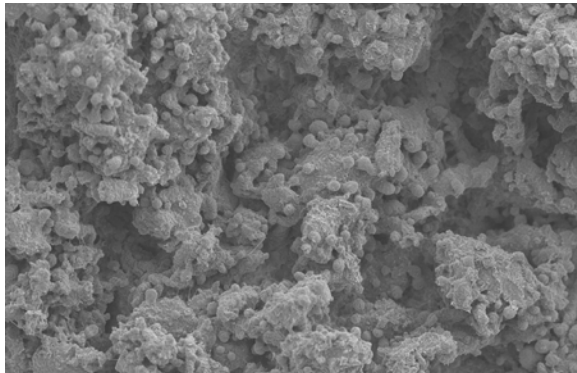
4 See UL.com under Porex for complete list of UL certified products

5 Post hydrophobic treatment required and some supporting layers may retain water even after treatment

6 Meets REACH regulations as PFOA free

7 Virtek has always been 100% PTFE - Versapor has discontinued and reformulated their product over the past 25 years

Different molecular structure provides added benefits



Find out why 17 out of the top 20 medical device manufacturers trust POREX® porous plastics. Request a POREX Virtek® Medical PTFE sample today
www.porex.com/request-a-sample

POREX Virtek® PTFE

About Porex

Porex is a global leader in developing custom-engineered porous polymer solutions that become high-value functional components in our customers' products. Our material solutions leverage a variety of porous plastic technologies, including sintered particles, bonded fiber and open-cell foam. By

combining our material science expertise in absorption, diffusion, filtration, wicking and venting with our global manufacturing capability, we help manufacturers in healthcare, consumer, electronic, and industrial industries turn their product ideas into reality.

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