

POREX® PTFE Vents for IP-rated Enclosures

Breathable Seals | Electrical Enclosure Vents | Protective Vents for Waterproof Cases



Key Benefits

- Chemically inert
- Thermally resistant
- Hydrophobic and oleophobic
- Manufactured in class 100k clean room
- Suitable for:
 - ✓ High Speed Automation
 - ✓ Ultrasonic and Thermal Welding
 - ✓ Insert Moulding

Genuine Porex™: Faster, Better & Cost- Effective Functional Components



Porex develops porous PTFE components used in the manufacturing of many products for the global electrical and electronics market. Electronic components, computer and office equipment, telecommunications, consumer appliances, lighting, energy generation and storage, and general industrial and commercial electronics are among the many segments we serve.

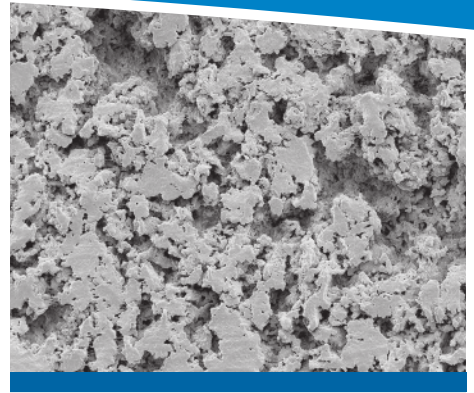
One of the main uses of porous PTFE in electronics manufacturing is venting enclosures and housings that are designed to keep moisture and dust out while allowing air to flow into and out of the device. POREX PTFE vents for IP-rated enclosures are an effective and low-cost industry recognized solution using a single-component membrane that reduces installation cost and time. The inherent membrane strength ensures reliable and repeatable performance; allowing pressure equalization in the enclosures and preventing water and contaminant ingress during rapid pressure changes.

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POREX® PTFE vents feature an intricate network of open-celled, omni-directional pores that offer exceptional performance on and below the surface. Our proprietary manufacturing process results in a robust, durable, chemically resistant and design flexible material with long-term value advantages. Designed to help deliver precision, accuracy and reliability, POREX PTFE vents are hydrophobic and oleophobic, pressure compensating elements to protect electronic enclosures and housings from pressure build-up and water intrusion.

POREX PTFE materials exemplify the critical design standards required in many challenging filtration and venting applications. Our IP67-rated PM3V PTFE material is available in different formats: adhesive discs in rolls, sheets or die-cut parts that can be easily welded. Its nominal thickness is 0.3mm.



The "Genuine Porex" label is a promise that this product has been rigorously designed and tested to meet the highest standards of performance.

If it's not Porex, it's not Genuine.

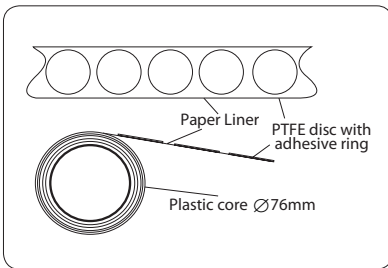
To read the full test report and see the certificate, click here:

www.porex.com/IP67

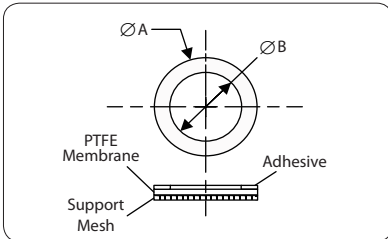
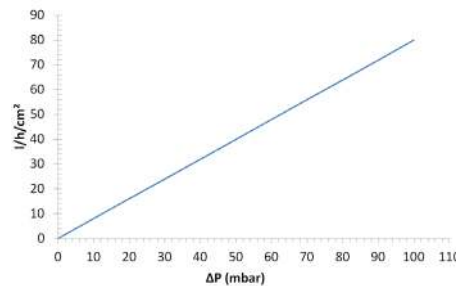
Or scan the QR code below with the barcode reader on your phone to view the test results.



Typical Arrangement and Presentation of Porex PM3V PTFE Material



Nominal Airflow Values



IP67 Rating

POREX PM3V series of PTFE material has been tested by a third-party test house in accordance with ISO/IEC and was found to meet the requirements of the Ingress Protection Code: IP67. As defined in international standard IEC 60529, IP Code classifies and rates the degrees of protection provided by enclosures against the intrusion of solid objects, dust, accidental contact, and water. The first characteristic number refers to the protection against solid objects; 6 indicating complete protection against entry of dust. The second number refers to protection against liquids; 7 indicating protection against the effects of immersion in water to depth between 15 cm and 1 meter for 30 minutes.



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