

## Micro-Environment Venting

Advanced Filtration, a division of Donaldson Company Inc, is the leading worldwide manufacturer of Tetratex<sup>®</sup> microporous expanded PTFE membranes, films and laminates. A technology-driven company committed to satisfying customer needs through innovative research and development, with sales offices located throughout Europe, America and Asia.

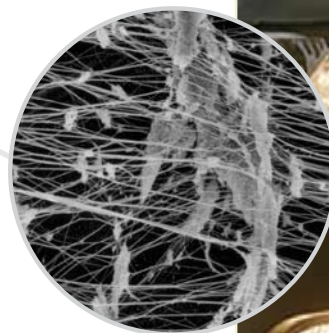
Advanced Filtration places great emphasis on high quality customer service and manufacturing and has been accredited ISO/9001:2000, a testament to our high standards.

Tetratex ePTFE membrane has a unique microporous structure. It comprises millions of small randomly connected fibrils many times smaller than can be seen by the naked eye.

The unique hydrophobic, oleophobic and high filtration efficiency properties of Tetratex ePTFE membrane have led to use in container, electronic enclosure and sensor venting, and general applications requiring simultaneous pressure relief and liquid barrier property performance.

Tetratex ePTFE microporous films are naturally hydrophobic and can be used as permeable water barriers for venting or breather filters for gas sensors, electronics and more.

**Donaldson Advanced Filtration offers a high standard of protection for your most sensitive applications.**



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## Protecting Small Electronic Devices & Sensors from Degrading or Short Circuiting

Tetratex provides protection from liquid water, oils and particulate whilst allowing pressure equilibration and gas exchange.

### Sensor Contamination Control

Sensors are often required to operate in environments detrimental to their reliability. Long-term exposure to airborne contaminants such as particulate, oil, water, salt water, hydrocarbons, water vapour and acid gases can lead to signal error, calibration drift and finally, sensor failure. Tetratex ePTFE membranes provide a cost-effective sensor contamination control solutions.

### Features & Benefits

Ideal for a variety of hydrophobic/oleophobic venting applications, Tetratex ePTFE membrane offers a number of unique benefits:

- Exceptional flow rates with low inlet pressure
- Tetratex ePTFE membranes are available with pore sizes ranging from 0.05 to 1.5 microns
- Repels water and oil
- Regulates moisture
- Filters air and removes particulate
- Low-cost alternative to hermetic sealing
- Dissipates heat in micro-environments
- The hydrophobic nature of Tetratex provides an excellent liquid barrier to applications requiring simultaneous pressure relief

### Applications

- Breather Vents
- Medical Container Venting
- Inkjet Cartridge Venting
- Sensors
- Technical Venting
- Business Machine Components
- Unique Instruments & Electronics
- Lab Analysis
- Transducer Protectors
- Caps & Closures
- Ostomy & Urine Bags
- Head Lamps
- Mobile Phones



Contact us to increase the reliability of your micro-environment