Donaldson’s unique Tetratex® ePTFE filter media protects devices and enclosures from temperature and pressure fluctuations, moisture and harmful contaminants. Our wide range of filter media options increases the effectiveness and reliability of micro-environments and can help to extend product life.

Tetratex ePTFE membrane has a unique microporous structure. It comprises small randomly connected fibrils that render an effective pore size many times smaller than can be seen by the naked eye. 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’s proprietary oleophobic treatment process also makes filter media repel oils.

**TYPICAL APPLICATIONS**
- Mobile Phones
- Electronic Enclosures
- MEMS/Microsystems
- Hearing Aids
- Sensors
- Headlamps
- Transducer Protectors
- Ostomy and Urine Bags
- Solar Panels
- Display (OLED, LCD, LED, etc)
- Caps and Closures
- Medical Device Vents

**FEATURES & BENEFITS**
- Tetratex High Performance ePTFE Membrane delivers a high particulate capture rate
- Exceptional flow rates with low inlet pressure
- Dissipates heat in micro-environments
- Equalizes pressure
- Repels water and oil
- Regulates moisture
- Acoustic media has low sound transmission loss
- Chemically inert
- Toxicity tested to USP 23, Class VI
- High solids holding capacity
- Easy connection to other materials as well as excellent mechanical resistance in harsh environments
DESIGN EXPERTISE

Our experts will provide the most effective venting solution for your needs by helping you select the appropriate filter media. Donaldson’s Integrated Venting Solutions (IVS) group is a leading worldwide manufacturer of microporous expanded PTFE membranes, films and laminates. Donaldson Company, Inc. is a technology-driven company committed to satisfying customer needs through innovative research and development with production and offices located throughout America, Europe and Asia.

Donaldson places great emphasis on high quality customer service and manufacturing and has been accredited ISO/9001:2000, a testament to our high standards. We will gladly work with you to select and develop the right solution to meet your unique requirements.

PROTECTION

The extreme chemical inertness of ePTFE (polytetrafluoroethylene) allows Tetratex to be used in a wide range of applications. Tetratex is dimensionally and chemically stable in almost any chemical environment ranging in temperature from -250°C to 280°C. Tetratex ePTFE is manufactured to a range of pore structures, widths and thicknesses to meet a variety of industry requirements.