

## Tetratex<sup>®</sup> Bicomponent Range

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.

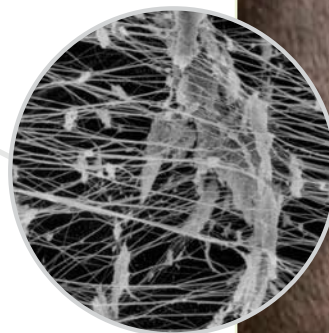
Advanced Filtration places great emphasis on high quality customer service and manufacturing and has been accredited ISO/9001:2000, a testament to our high standards.

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.

Combining Tetratex ePTFE films with a bicomponent substrate gives customers the opportunity to choose a product that is optimally adapted to many filtration and venting requirements.

### Applications

- Sensors
- Electronic Enclosures
- MEMS/Microsystems
- Mobile Phones
- Headlamps
- Hearing Aids
- Caps and Closures
- Transducer Protectors
- Ostomy and Urine Bags
- Solar Panels
- Displays (OLED, LCD, LED etc)



# Tetratex® Bicomponent Range

## Features & Benefits

- Advanced Filtration produces a large variety of ePTFE films to provide the degree of protection, filtration efficiency and gas exchange demanded by various applications.
- To improve the processability and mechanical sturdiness a substrate or support layer is laminated onto the ePTFE.
- This specific substrate is composed of a combination of different plastic polymers. Together they guarantee easy connection to other materials as well as excellent mechanical resistance in harsh environments.
- Both layers are bonded without the use of any adhesive, this results in good long term stability and high resistance to solvents.
- Available in a range of pore sizes from 0.2 to 1.5 microns.

## Typical Industries

- Automotive
- Food
- Medical
- Telecoms

## Product Construction

Type	Thickness (mm)	Airflow (l/min/cm @ 0.7 bar)	Water Entry Pressure (Kpa)
6667	<0.3	>3	> 550
6860	<0.3	>1.5	> 550
6861	<0.3	>5	>300
6863	<0.3	>15	>100
6865	<0.3	>25	>100

