

## Gas & Liquid Microfiltration

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.

Tetratex ePTFE membranes perform solid/liquid separation, purification and sterilisation functions in a variety of liquid ultra-high purity gas microfiltration systems:

- Pleated cartridge filters
- Capsule and point of use filters
- Laboratory disc filters

**All of these benefits add up to better performance, lower costs and increased profitability.**



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## Features & Benefits

Ideal for a variety of microfiltration applications, Tetratex ePTFE membranes offer a number of unique benefits:

- Exceptionally high flow rates
- Low differential operating pressure
- High solids holding capacity
- Inherently hydrophobic
- Non-shedding, minimal extractables
- Toxicity tested to USP 23, Class VI
- Wide thermal operating range
- Bacterial challenge proven with high log reduction value

## Tetratex ePTFE Membranes are:

### Efficient

- Absolute micron retention of 0.05, 0.07, 0.10, 0.20, 0.45, 0.70, 1.00 and 1.50 microns

### Reliable

- We place great emphasis on high quality manufacturing and customer service. Tetratex ePTFE membrane technology satisfies the increasingly stringent requirements and demands of the microfiltration market.

### Flexible

- Tetratex ePTFE membranes is supplied unlaminated or laminated to a variety of substrates. We will gladly work with you to select the right solution to meet your unique requirements.

## Applications

### Liquids

- Rinses & solvents
- Etchants
- Concentrated acids & bases
- Photos resists
- Ozonated DI water
- Bulk chemicals

### Gases

- Sterile tank venting
- Fermentation air applications
- Sterile process gases

