

Crystal Wrap

Advanced Filtration, a division of Donaldson Company Inc, is the leading worldwide manufacturer of Tetratex[®] 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.

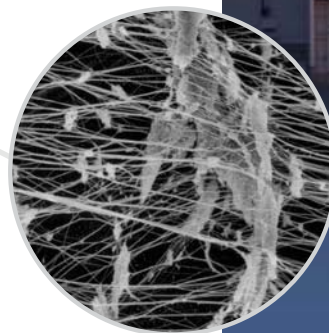
Enhanced Reflectivity

Tetratex microporous ePTFE Crystal Wrap film provides enhanced reflectivity and protection for scintillation crystals and detectors. It is used in a wide range of applications where precision and accuracy are key— including nuclear medicine imaging, clinical chemistry, industrial gauging and control, astronomy and space exploration.

Improved Protection

Hygroscopic scintillation crystal materials require protection to maintain their accuracy. Due to its extreme hydrophobic properties, Tetratex Crystal Wrap is ideally suited to protect critical crystal materials to help insure performance standards and allow for extended warranties.

All of these benefits add up to exceptional performance and longer product warranties.



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Typical Applications

- Medical Imaging
- Space Exploration
- Oil Drilling
- Security
- Industrial

Benefits

- Highly Reflective
- Easily Conformable
- Liquid Barrier
- Thermal stability to 287°C
- Chemically Inert
- Shock Resistant

Features and Properties

Tetratex Crystal Wrap is available in thicknesses from 38 micron to 254 micron. It is an ideal choice for scintillation detector crystals and new plastic scintillators.

Manufactured from pure PTFE resin, Tetratex Crystal Wrap film acts as a functional barrier and protective layer for hygroscopic crystal materials such as:

- Sodium Iodide (NaI)
- Cesium Iodide (CsI)
- Alkali-Halide

Tetratex ePTFE Membranes are:

Efficient

- The extremely high reflectivity and excellent diffusion properties of Tetratex Crystal Wrap enhance the overall efficiency of radiation detection devices.

Reliable

- We place great emphasis on high quality manufacturing and customer service.

Flexible

- We will gladly work with you to select the right solution to meet your unique requirements.

