

For enhanced reflectivity and protection of scintillation crystals and detectors, demand Tetratex® ePTFE membranes.



# Tetratex Crystal Wrap

Donaldson Membranes is a leading worldwide manufacturer of ePTFE membranes. We are a technology-driven company committed to satisfying customer needs through innovative research, development and continuous product improvement, with production and sales offices located throughout The United States, Europe and Asia.

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

## 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.

## Typical Applications

- Medical imaging
- Space exploration
- Oil drilling
- Security
- Industrial

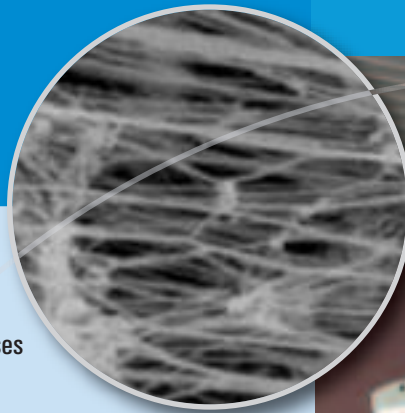
## Benefits

- Highly Reflective
- Easily Conformable
- Liquid Barrier
- Thermal stability to (548.6°F)
- Chemically Inert
- Shock Resistant

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



# Tetratex Crystal Wrap



## 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 just the right solution – picking and choosing from our menu of advanced technologies to meet your unique requirements.



## About Donaldson Membranes, A Division of Donaldson Company, Inc.

Donaldson Membranes offers technically superior, high quality ePTFE membrane-based products. Founded in 1915, Donaldson Company is a technology-driven organization committed to solving customer needs through innovative research and development and superior customer service.



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