



Donaldson Membranes — PERFORMANCE FABRICS

PTFE MEMBRANE TECHNOLOGY  
WATERPROOF, BREATHABLE LAMINATES  
FOR FIRE FIGHTING PROTECTION

## WHEN LIFE IS ON THE LINE

Our high performance fabrics made with Tetratex® PTFE laminates supply a moisture barrier that exceeds the highest safety standards worldwide. Engineered for life-critical environments, they offer our brave fire fighters protection against:

- **Heat and fire** – provides a thermal barrier to block both heat and flames
- **Weather** – high performance even at extreme temperatures, high altitude and windy, snowy, wet and hazardous weather conditions (cold flex properties to -40°C)
- **Contaminants** – the chemically stable material provides a superior barrier against chemicals, dirt, bacteria and bloodborne pathogens
- **Water** – immersion garments are engineered to remain both breathable and waterproof when submerged
- **Snags, tears and punctures** – you can even specify a laminate that provides a barrier against the potential adversities of battling forest fires in remote environments

*And Tetratex PTFE performance fabrics maximize fire fighters' comfort by offering:*

- **Unsurpassed breathability** – unique bi-axial hydrophobic microstructures provide a high moisture vapor transmission rate that keeps the wearer dry in the most extreme conditions
- **Freedom of movement** – highly flexible, soft, drapable and lightweight
- **Durability** – retains its superior characteristics even after repeated washings; provides excellent abrasion resistance

ALL THESE BENEFITS  
ADD UP TO BETTER  
PERFORMANCE  
AND HEIGHTENED  
SAFETY AND  
SATISFACTION.



Donaldson®



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Tetratex PTFE membrane 250x magnification

## STATE-OF-THE-ART. STRONG. SOUND.

Tetratex PTFE laminate is a cost-effective solution that outperforms coated products and non-PTFE laminates. Manufactured from PTFE fluoropolymer resin, a Tetratex PTFE membrane contains millions of randomly connected fibers that render an effective pore size many times smaller than can be seen by the naked eye.

When the PTFE membrane is laminated to a fabric, the result is an extraordinarily breathable and waterproof product that allows body vapors to pass through while protecting the wearer against wind, rain, snow, freezing temperatures, fire and contaminants. And it retains its superior characteristics even after repeat washings.

Engineered with the same technology that protects our service personnel in combat, Tetratex PTFE laminates keep fire fighters safer, more comfortable and help them be more productive. Our performance fabrics have met the needs of applications like:

- Turnout gear
- Bunker gear
- Contamination suits
- EMT uniforms

We place great emphasis on high quality manufacturing *and* customer service. We will gladly work with you to custom engineer just the right solution – picking and choosing from our menu of advanced technologies to meet your unique requirements.

Fabrics are sold in roll form in a wide variety of colors and weights to qualified manufacturers. Donaldson Membranes also supplies seam sealing tape custom engineered for each fabric to ensure waterproof and barrier protective properties.



### **ABOUT DONALDSON MEMBRANES, A DIVISION OF DONALDSON COMPANY, INC.**

Donaldson Membranes offers technically superior, high quality PTFE 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.

**If you seek an extraordinarily fireproof, waterproof, weather-proof and breathable product, demand Tetratex PTFE laminate.**

For more information visit  
[www.tetratex.com](http://www.tetratex.com)



#### **Donaldson Membranes — Performance Fabrics**

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