



STEDAIR 4000

Product Description

Nomex IIIA woven substrate laminated to a breathable ePTFE membrane. Nominal weight of 5.0 opsy.

Product Benefits

- Compliant to NFPA 1971-2013
- Waterproof
- Resistant to viral penetration
- Fire resistant
- Resistant to chemical penetration
- High breathability
- High THL
- Compliant to ASTM 1891

Physical Properties

<u>Specification</u>	<u>NFPA 1971-2013</u>	<u>Imperial Unit</u>
Tear Resistance NFPA 1971-2013	W: 5 lbs minimum F: 5 lbs minimum	W: 15 lbs F: 13 lbs
Flame Resistance NFPA 1971-2013	After flame: 2 sec maximum Char length: 4.0 inches maximum Not melt or drip	After flame: 0 sec Char length: 4 inches max. Melt or drip: no
Heat and Thermal Shrinkage NFPA 1971-2013	W: 10 % maximum F: 10 % maximum	W: - 3.0 % F: - 2.0 %
Cleaning Shrinkage Resistance NFPA 1971-2013	W: 5.0 % maximum F: 5.0 % maximum	W: - 2.0 % F: - 1.0 %
Water Penetration Resistance NFPA 1971-2013	25 psi minimum	45 psi
Total Heat Loss* NFPA 1971-2013	205 W/m ² minimum	205 to 330 W/m ²
Thermal Protection Performance* NFPA 1971-2013	35 cal /cm ² minimum	35 to 60 cal /cm ²
Liquid Penetration Resistance NFPA 1971-2013 (AFFF, Hydraulic fuel, Sulfuric acid, Chlorinated swimming pool chemical, Surrogated gasoline fuel C)	No penetration	No penetration
Viral Penetration Resistance NFPA 1971-2013	No penetration	No penetration

Recommended End Use Applications

- Moisture Barrier for Fire fighter turnout gear

* Tested in composite form