



STEDAIR 3000

Product Description

Dupont Nomex E89 spunlace substrate laminated to a breathable ePTFE membrane.
Nominal weight 4.8 to 5.3 OSY

Product Benefits

- Compliant to NFPA1971-2013
- Waterproof
- Resistant to viral penetration
- Fire resistant
- Resistant to chemical protection
- High breathability
- High THL
- Resistant to heat and thermal

Physical Properties

Specification

Imperial units

Tearing resistance
NFPA1971-2013

W: 5 lbs. minimum (average : 22 lbs.)
F: 5 lbs. minimum (average : 15 lbs.)

Flame resistance
NFPA1971-2013

After flame : 2 sec maximum (average : 0 sec)
Char length: 4 inches max. (average : 3.3 in.)
No melt or drip (average : no melt or drip)

Heat and thermal shrinkage resistance
NFPA1971-2013

Warp: 10% maximum (average: -2%)
Weft: 10% maximum (average: -4%)

Cleaning shrinkage resistance
NFPA1971-2013

Warp: 5% maximum (average: -4%)
Weft: 5% maximum (average: -4%)

Water penetration resistance
NFPA1971-2013

25 PSI (average: 100 PSI)

Total heat loss*
NFPA1971-2013

205 W/m² min (average : 205 to 315)

Thermal protection performance*
NFPA1971-2013

35 cal/cm² min (average : 35 to 60)

Liquid penetration resistance
NFPA1971-2013 (AFFF, Hydraulic fuel, battery acid,
chlorinated swimming pool chemical, surrogate gasoline fuel
C)

No penetration

Viral penetration resistance
NFPA1971-2013

No penetration

Recommended End Use Applications

Moisture barriers for fire fighter turnout gear

* Tested in composite form