

“Here is what you have been waiting for: a flame and arc protective material that is waterproof, windproof and breathable. A better value than anything else on the market.”

PHYSICAL PROPERTIES	NIMBUS™ TRILAMINATE	ASTM F1891 REQUIREMENTS
Weight (+ or - 5%) oz (sq yd) grams (sq meter)	7.5 (sq yd) 254g (sq meter)	
Electric Arc Performance ASTM F1959/F1959M ATPV (cal/cm ²) Heat Attenuation Factor (HAF%) Breakopen value (cal/cm ²)	7.7 63.8 21.1	5.0 min.
Vertical flammability ASTM 6413 Char Length in inches (warp x fill) Afterflame in seconds (warp x fill)	≤ 4.0 x 4.0 ≤ 0.0 x 0.0	6.0 max. 2.0 max.
Trapezoidal Tear Strength (lbs) ASTM D1117 Initial (warp x fill) After 5 launderings (warp x fill)	25 x 20 25 x 20	6.0 min.
Hydrostatic pressure (psi) ASTM D3393 Initial After 5 launderings	PASS PASS	30.0 min.
Water Spray Rating AATCC 22-2001 Initial After 5 launderings	100 80	
MVTR (gm/m²/24 hrs.) Upright procedure B water ASTM E96 Inverted procedure BW water ASTM E96 Modified Dessicant Method (Potassium Actetate)	670 7500 >10,000	
THL ASTM F1868	>500	

COMPOSITION: Trilaminate of 100% NOMEX® IIIA plain weave outer shell, highly breathable PTFE membrane and 100% NOMEX knit face cloth
WEIGHT: 7.5 oz (sq yd)
FINISH: Durable Water Repellent
END USE: FR rainwear




materials that make a difference

LAUNDERING: Garments made with NIMBUS™ fabrics are easily maintained by home or industrial laundering. For detailed laundering specifications, please contact TENCATE at (800) 241-8630.

SUNLIGHT/UV EXPOSURE ADVISORY: Prolonged sunlight and UV exposure can be damaging to aramid and PBO fibers. Both natural (undyed) and dyed aramid and PBO fibers will fade or change color with exposure to sunlight or other UV sources. The thermal performance is not affected, but long term or repeated exposures will cause the fabric to gradually weaken. Garments should be stored so that they are protected from sunlight, including windows and bay doors, to maximize wear life. SOUTHERN MILLS, Inc. OFFERS NO WARRANTIES, IMPLIED OR OTHERWISE, FOR COLOR CHANGE OR FABRIC DAMAGE DUE TO UV EXPOSURE.

To the best of our knowledge, the information contained herein is accurate. However, SOUTHERN MILLS, Inc. assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Users of any substance must satisfy themselves by independent investigation that the material can be used safely. We have described certain hazards, but we cannot guarantee that these are the only hazards.

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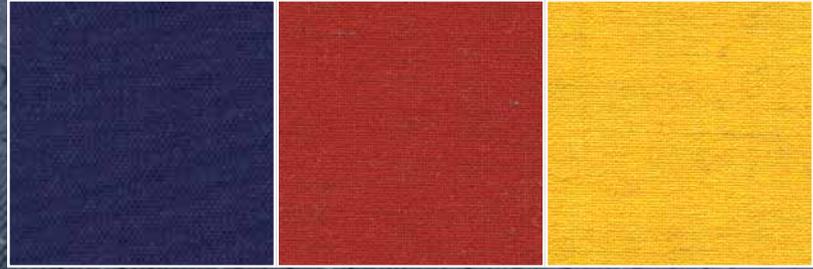
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New NIMBUS™ fabrics are the only waterproof and breathable all-weather materials specifically designed to protect the wearer from heat, flames and electric arc incidents. The laminated three layer construction combining a NOMEX® woven outer shell, a highly breathable PTFE membrane and a NOMEX® knitted liner makes a durable protective fabric that keeps its wearer comfortably dry, no matter what the weather conditions you face on the job.

NIMBUS™ fabrics are:

- **Comfortable**—waterproof, breathable, lightweight and supple
- **Protective**—from wind, rain, electric arc and flash fire
- **Durable**—excellent abrasion and tear resistance
- **Compliant**—with NFPA 70E and ASTM F 1891



NIMBUS™ 7.5 oz (sq yd) Blue, Red, Yellow Plain Weave

