

Fiber content 100% NOMEX® IIIA

● Light Blue ● Spruce ● Red ● Orange ● Tan ● Yellow ● Black ● Natural ● Dark Navy ● Fire Service Navy ● Royal Blue

PHYSICAL PROPERTIES

Weight (+ or - 5%) oz (sq yd) grams (sq meter)	6.0 oz (sq yd) 203g (sq meter)	6.8 oz (sq yd) 231g (sq meter)	7.5 oz (sq yd) 254g (sq meter)	NFPA 1977-2006 Edition Requirements	
Weave	Plain	Twill	Plain		
Standard Colors (other colors available upon request)	● ● ● ● ● ●	● ●	● ●		
Thickness (inches)	0.020	0.022	0.022		
Construction (warp [w] x fill [f])	67 x 44	89 x 64	50 x 54		
Dimensional Stability, after 5X AATCC 135 (cotton sturdy) warp fill	<5 <5	<5 <5	<5 <5		5.0 max 5.0 max
Tearing Strength, lbs (w x f) ASTM D 1424	10 x 8	14 x 10	16 x 14		5 lb min
RPP rating, cal/cm² ASTM F 1939 initial After 5 launderings	8 10	8 9	9 10		7 min 7 min
Flame Resistance (w x f) ASTM D 6413 After flame, sec Char Length, inches	0.0 x 0.0 2.6 x 2.4	0.0 x 0.0 2.3 x 2.3	0.0 x 0.0 2.1 x 2.2		2.0 sec max 4.0 inches max
Flame Resistance (w x f) after 100 launderings After flame, sec Char Length, inches	0.0 x 0.0 3.0 x 3.0	0.0 x 0.0 2.2 x 2.1	0.0 x 0.0 2.0 x 2.0		2.0 sec max 4.0 inches max
Thermal Shrinkage, % (w x f) NFPA 1977-2006	-0.9 x -0.8	-1.5 x -2.0	0.7 x 0.7	10% max	
Total Heat Loss, W/m² ASTM F 1868	690	680	630	450 min	



LAUNDERING: Garments made with FREESTYLE™ 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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The Most Trusted Name In Protective Fabrics.

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FREESTYLE™ fabrics are perfect for head-to-toe protection against flash fire, electric arc and other dangerous conditions. Lightweight, breathable fabrics made of Nomex® combine unsurpassed flame resistance and exceptional durability wash after wash for the ultimate in comfort and durability.

- **Proven Nomex performance** – flame-resistant protection for a broad range of high-risk industries.
- **Exceptional value** – perfect fit for electric and gas utilities, fire service stationwear, petroleum refineries, chemical, racing or military.
- **Unbeatable durability** – retains protective properties even after rugged use.
- **Easy care comfort** – proprietary wicking finish. Stays soft, keeps you cool and dry.

FREESTYLE delivers peace of mind when lives are on the line. Only by TenCate SouthernMills.

