

PHYSICAL PROPERTIES				
Weight (+ or - 5%) oz (sq yd) grams (sq meter)	4.5 oz (sq yd) 153g (sq meter)	5.5 oz (sq yd) 187g (sq meter)	6.5 oz (sq yd) 220g (sq meter)	NFPA 2112 Requirements
Weave	Plain	Plain	Twill	
Standard Colors <small>(Other colors available upon request)</small>	● ● ● ●	Minimums required	Minimums required	
Thickness (inches)	0.020	0.020	0.022	
Construction (warp [w] x fill [f])	66 x 45	68 x 54	80 x 60	
Vertical Flammability ASTM 6413-99 <small>Char Length (inches [w x f]) After Flame (seconds [w x f])</small>	2.1 x 2.1 0.0 x 0.0	1.8 x 1.8 0.0 x 0.0	1.8 x 1.8 0.0 x 0.0	4.0 max. 2.0 max.
Thermal Protective Performance (cal/cm²) NFPA 1971 <small>After 100x Launderings</small>	11.0	12.0	13.0	6.0 min. (with spacer) 3.0 min. (no spacer)
Flash Fire Exposure (Manikin Test) ASTM F1930 <small>(% body burn [2.0 cal/cm² • sec] at 3 seconds)</small>	26.0	13.0	8.7	50.0 max.
ARC Thermal Performance ATPV (cal/cm²) ASTM 1959 <small>After Flame @ 10 cal (seconds)</small>	4.2 - 4.5 < 1.0	5.1 - 5.4 < 1.0	5.8 - 6.1 < 1.0	
Tensile Strength (lbs [w x f]) ASTM 5034	100 x 60	110 x 75	140 x 90	
Elmendorf Tear Strength (lbs [w x f]) ASTM 1424	7 x 5	7 x 6	8 x 6	
Dimensional Stability (% [5x]) 120°F AATCC 135 <small>140°F Industrial Wash, 160°F Max Stack Dry [5x]</small>	< 5.0	< 5.0	< 5.0	
Air Permeability (ft³/ft²/minutes) ASTM 737	130	75	45	
Washing Colorfastness <small>140°F Industrial Wash, 160°F Max Stack Dry [25x]</small>	*4	*4-5	*4-5	
Colorfastness to Xenon Light (20 hours) AATCC 16	*3-4	*3-4	*3-4	
Crocking AATCC 8	*4-5	*4-5	*4-5	
Wet Dry	*5 - All Colors	*5 - All Colors	*5 - All Colors	
Wicking (distance in seconds) <small>(1" strip, tap water)</small>	0.5 inches 1.0 inches 1.5 inches 2.0 inches	5 20 45 85	4 15 45 99	3 13 45 98
Theoretical Moisture Regain (%)	6.0	6.0	6.0	
Pilling Resistance ASTM 3512	30 minutes 60 minutes 90 minutes 120 minutes	*5 *5 *4 *4	*4 *4 *4 *4-5	*4-5 *4 *4 *4-5
Heat Resistance (500°F, 5 minutes) <small>After 100 Industrial Launderings</small>	pass	pass	pass	shall not melt, drip, separate or ignite
Thermal Shrinkage Resistance (%[500°F, 5 minutes]) <small>After 100 Industrial Launderings</small>	< 5.0	< 5.0	< 5.0	10.0 maximum
Appearance of Fabric AATCC 124 <small>After 50 Home Launderings</small>	*3.5	*3.5	*3.5	

Ratings: *5 - Best, *3 - Acceptable, *1 - Poor



LAUNDERING: Garments made with COMFORT BLEND™ 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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Comfort blend™

INDUSTRIAL SAFETY

COMFORT BLEND™ sets the standard for outstanding value in protective fabrics for industrial and fire service applications. Made from a patented technology that combines the proven protection and performance of NOMEX® and the softness and comfort of Lenzing FR™ rayon.

- **Extraordinary comfort** – Lighter, softer. Excellent wicking and superior breathability keep you cooler and drier on the job.
- **Exceptional durability** – Long wear life with flame resistance that won't wash out.
- **Premium thermal protection** – Meets or exceeds all industry standards. Higher TPP rating, better vertical flammability performance.
- **Outstanding value** – Ideal for electric and gas utilities, fire service stationwear, petroleum refinery, chemical, automotive

COMFORT BLEND delivers peace of mind when lives are on the line. Only by TenCate.



KHAKI

GRAY

DENIM BLUE

LIGHT BLUE

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