

TENCATE
Millenia™ XT

**FIBER BLEND: 60% Para-aramid
40% PBO**
WEIGHT: 7.5 oz (sq yd)
WEAVE: Rip Stop
COLOR: Natural (Gold)
FINISH: SUPER SHELLTITE™
END USE: Turnout Gear Outer Shells

MILLENNIA™ XT makes an extreme leap forward in outer shell protection and flexibility. It outperforms every other premium outer shell fabric in every test that matters: thermal insulation, strength after exposure and durability. With this landmark advance in textiles technology, TenCate™ SouthernMills™ introduces a new generation of strength—and strengthens an unparalleled tradition of leadership through innovation.

- **Highest thermal stability.** Retains strength and flexibility even after thermal exposure.
- **Greatest strength retention.** 250% stronger after thermal exposure than any competitive outer shell.
- **Best initial strength.** 40% greater strength than any other outer shell.
- **Greatest flexibility.** Supple hand enables more freedom of movement in tight spots than any other protective fabric.
- **Most durable.** Unbeatable in durability and overall wear life. Top performance in Taber abrasion resistance.
- **5-year warranty against fabric holes and tears.**

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

PHYSICAL PROPERTIES	MILLENNIA™ XT	NFPA 1971-2007 Edition Requirements
Trapezoidal Tear Strength (lbs) Initial (warp x fill) After 5 launderings (warp x fill)	ASTM D 5587 90 x 75 80 x 70	22.0 min
Tensile Strength (lbs) Initial (warp x fill) After 10 launderings (warp x fill)	ASTM D 5034 655 x 640 575 x 565	140.0 min
Thermal Protective Performance (cal/cm²) TPP with Crosstech®, CALDURA® SILVER NP	NFPA 1971-2007 39 - 42	35.0 min
Tensile Strength (lbs) after 17.5-second TPP Exposure (2.0 cal/cm²•sec) (warp x fill)	150 x 135	
Water Absorption Resistance (%) Initial After 5 launderings	AATCC 42 < 1.0 < 1.0	30.0 max
Vertical Flammability Char Length in inches (warp x fill) (Initial) Char Length in inches (warp x fill) (After 5 launderings) After Flame in seconds (warp x fill)	ASTM D 6413 0.2 x 0.0 0.0 x 0.0 0.0 x 0.0	4.0 max 0.2 max
Laundry Shrinkage (%) After 5 launderings (cotton sturdy cycle) (warp x fill)	AATCC 135 < 3.0 x < 3.0	5.0 max
Thermal Shrinkage (%) 500°F at 5 minutes After 5 launderings	NFPA 1971-2007 < 1.0 < 1.0	10.0 max



Finishing and Non-woven are ISO-9001 Certified Facilities.



The Most Trusted Name In Protective Fabrics.

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 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 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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TENCATE

Millenia™ XT

EMERGENCY RESPONSE

