



Style 5598/0303 Ultrasoft® 8.5oz Twill with All Out Technology

MPG S000105598

Fiber content: 88% Cotton / 12 % High tenacity Nylon

3x1 LH Twill	Process Average	Specs	Test Method
Weight	8.5 oz/yd	8.5 oz/yd ² (+/-5%)	ASTM D3776
Width-Min.	63.5"	> 62.5" Cuttable	ASTM D3774
Tear Strength (lbs W x F)	6.7 x 4.4	> 6.0 x >4.0	ASTM D1424 (ISO 13937)
Tensile Strength (lbs W x F)	167 x 72	> 90 x > 60	ASTM D5034
Air Perm (cfm)	3.6	2 - 8	ASTM D737
Spray Rating: as received after 20 wash	90 70	90 60	AATCC 22 AATCC 135-3, IV, Aiii (wash)
Laundry Shrinkage (W x F) after 5 wash	1.8% x 3.0%	< 3.0% x < 3.0%	ASTM 1506 AATCC 135-3, IV, Aiii (wash)
Vertical Flame, in. (W x F)	3.4" x 3.4"	≤ 4.0" x ≤ 4.0"	ASTM D6413
Vertical Flame 100L (W x F)	2.9" x 2.9"	≤ 4.0" x ≤ 4.0"	ASTM D6413 NFPA 2112 (wash)
Arc Rating ATPV, (cal/cm ²)	12	≥ 8.0	ASTM F1959
Thermal Manikin, original UL test, July 14, 2014	7.4%	< 50%	ASTM 1930

UL® certified to NFPA 2112 and CAN/CGSB 155.20 

Arc Rated according to ASTM F1506 for NFPA 70E as HRC 2.

*Note: "Process Averages" are historical averages; actual results may vary by lot (but will meet the min. "Specs.") Manikin testing at TPACC (NC State) or University of Alberta

Guaranteed flame resistance for the life of the garment (when washed according to care instructions).

These fabrics are innovative, flame resistant materials intended to be used in garments that supplement personal protective equipment and are engineered to self-extinguish when the source of ignition is removed. They may be used as a layer of, but are not intended for use as the primary protection in, firefighting garments or other products subject to repeated or extended exposure to heat or flame (unless explicitly certified in writing to meet the relevant regulations for use in such firefighting garments). As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing

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