




Style 155590
9 oz. Twill
88/12 Cotton/Nylon

9 oz.Twill	Process Averages*	Specs*	Test Method
Weight	9.10 oz/yd ² (+/- 5%)	9.20 oz/yd ² (+/- 5%)	ASTM D3776
Width-Min.	64.3"	>63.0" cuttable	ASTM 3774
Tear Strength (lbs W X F)	12.6 x 10.9	>7.0 x >7.0	ASTM D1424
Tensile Strength (lbs W X F)	282 x 89	>130 x >80	ASTM D5034
Air Permeability (cfm)	36	>20	ASTM 737
Laundry Shrinkage (W X F)	2.0% x 1.0%	<3.0% x <3.0%	ASTM 1506 AATCC 135-3, IV, Aiii
10 IL** Shrinkage (W X F)	2.7% x 0.9%	<5.0% x <5.0%	** Wash Method as specified by NFPA 2112
TPP (contact/spaced) Thermal Protective Performance	11 / 12	>3/6	NFPA 2112-2007
RPP Radiant Protective Performance	9.6	> 6	NFPA 1977-2005
Vertical Flame As Received	3.44"	<4.0"	ASTM D6413
Vertical Flame 100 IL**	3.45"	<4.0"	ASTM D6413
Thermal Shrinkage	2.8%	<10%	NFPA 2112-2007
Arc Rating (ATPV)	12.4 cal/cm ²	>8.0	ASTM F1959
Thermal Manikin	9.6% avg.	<50%	ASTM F1930

US Patent # 7,713,891 and other patents pending

UL[®] certified to NFPA 1975, NFPA 1977, NFPA 2112, 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 minimum "Specs.")

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

Please Note: Amplitude fabrics are innovative, high-tech, flame resistant materials intended to be used in garments that supplement personal protective equipment that reduce the flammability risks of momentary exposure to electric arc flash and flash fire hazards. They may be used as a layer of, but are not intended for use as the primary protection in fire fighting garments or other products subject to repeated or extended exposure to heat or flame except for Amplitude fabrics that are explicitly certified in writing to meet NFPA 1977 for use in wildland fire fighting garments. Use caution near sources of flame or intense heat and do not launder with bleach or fabric softeners. 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. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. 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.

