

CHARACTERISTICS	METHOD	UNIT	PROCESS AVERAGE		SPECIFICATION	
Composition	ASTM D-629	%			88% Cotton / 12% Nylon	
Weave	Visual				Twill 3 x 1 "S"	
Cutable Width	ASTM D-3774	cm / inches (min)	160	63	160	63
Total Nominal Width	ASTM D-3774	cm / inches	165	65	165	65
Weight	ASTM D-3776	g / m ² oz / yd ² (±5%)	240	7.1	237	7
Breaking strength	ASTMD-5034	N / Lbs (min)	W: 403 F: 289	91 65	W: 370 F: 280	83 63
Tear strength	ASTM D-1424	N / Lbs (min)	W: 45 F: 44	10.1 9.9	W: 34 F: 28	7.6 6.3
Dimensional change	AATCC-135	%	W: - 0.3 F: - 1.5		W / F : 0 ± 3%	
Colorfastness to washing	AATCC-61	gray scale grade cotton*	4		Change: 4 Transference: 4	
Colorfastness to perspiration	AATCC-15	gray scale grade	4		Change: 4 Transference: 4	
Colorfastness to crocking	AATCC-08	gray scale grade	3 - 4 3		Dry : 3 - 4 Wet : 3	
Flame resistance after 100 cycles of washing and drying	ASTM D-6413 / NFPA 2112 Sec. 8.1	inches	W / F : 3.3		W / F : 4	
Electric arc (ATPV)	ASTM F-1959	cal / cm ²	8.9		> 8	
Body Burn	ASTM F-1930	%	8.0		< 50	
Formaldehyde content	ISO 14184-1	ppm	16		< 75	

Notes:

“Process Averages” are historical averages; actual results may vary by lot (but will meet the specification)

*For colorfastness grade of others fibers contact Carolina’s sales representative.

*tdb TO BE DETERMINED

CARE INSTRUCTIONS FOR FR FABRICS AND GARMENTS:

Consult with Carolina Performance Fabrics for our care and maintenance instructions for fabrics and garments made with Carolina Protect® Fabrics.

UL CERTIFICATION AS OUTER SHELL COMPONENT:

NFPA 2112, CANS / CGSB 155.20

Arc Rated according to ASTM F1506, for NFPA 70E as Arc Flash PPE Category 2

The information in our data sheets and specification is based on generally accepted textile testing underwritten by Carolina Performance Fabrics. These test, however, should not be substituted for any testing you may need to conduct to determine suitability for you intended use. The information is subject to revision as new knowledge and data are collected. Carolina Performance Fabrics makes no warranties and assume no liability in connection with any use of this information. Given the various conditions of use, it is the users’ responsibility to assess the level of risk and protective equipment required for the circumstances. Proper cleaning of the fire retardant garments is essential for maintaining maximum performance. Consult with Carolina Performance Fabrics, garment manufacturer, and launderer for cleaning recommendations.

The above information is actual values. These values may vary within acceptable testing standards and methods.