




Style 616x and 626x Synergy® 6.0oz Plain Weave
 MPG S00010616x / x denotes finish, MPG S00010626x / x denotes finish
 Fiber Content: 100% Nomex® IIIA

Plain Weave	Process Average	Specs	Test Method
Weight	5.9 oz/yd ²	6.0 oz/yd ² (+/-5%)	ASTM D3776
Width - MPG S00010616x (overall/cutttable)	61.8"/61.1"	≥ 60" cuttable	ASTM D3774
Width - MPG S00010626x (overall/cutttable)	67.3"/66.6"	≥ 66" cuttable	ASTM D3774
Tear Strength (lbs W x F)	11.3 x 8.5	≥ 5.0 x ≥ 5.0	ASTM D1424 (ISO 13937)
Tensile Strength (lbs W x F)	223 x 184	≥ 150 x ≥ 100	ASTM D5034
Laundry Shrinkage (W x F) after 5 wash	1.2% x 1.8%	≤ 3.0% x ≤ 3.0%	ASTM 1506 AATCC 135-3, IV, Aiii
Vertical Flame, in. (W x F)	2.7" x 2.7"	≤ 4.0" x ≤ 4.0"	ASTM D6413
Vertical Flame, in. (W x F) After 100 IL	2.9" x 3.1"	≤ 4.0" x ≤ 4.0"	ASTM D6413 NFPA 2112 (wash)
Arc Rating ATPV, (cal/cm ²)	6.0*	≥ 4.0	ASTM F1959
Thermal Manikin, August 16, 2017	21.0%	< 50%	ASTM 1930

UL® certified to NFPA 2112, NFPA 1975, NFPA 1977 and CAN/CGSB 155.20, CAN/CGSB 155.22 
 Arc Rated according to ASTM F1506 for NFPA 70E as Arc Flash PPE Category 1, March 2013

* Arc rating based on a typical or high volume market color: Navy
 Note: "Process Averages" are historical averages; actual results may vary by lot (but will meet the min. "Specs.") Manikin testing at NC State University.
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.

REVISION 2: August 2018