

Milliken® CXP®

NOMEX® Flame Resistant Fabric

Combining expertise in both science and design, Milliken creates innovative solutions that touch the lives of people every day in multiple ways. With unwavering integrity and commitment to creative problem solving, Milliken, a vertical North American manufacturer, takes on the issues of the world, however big, however small, across markets and across the world—and has been doing so since 1865.

CXP R Nomex R IIIA is one of the safest, softest and most comfortable Nomex fabrics in the flame resistant fabric market today. Tests have found that CXP Nomex has better breathability and moisture management than other FR fabrics in the market and CXP uses VISA R stain release technology which results in better wash performance. CXP is dyed with a unique deep-dye process and provides outstanding resistance to color fading from washing and sunlight. This combination of fabric science and performance make CXP the choice when you are looking for comfort and the protection of Nomex IIIA fiber.

Milliken holds a tradition of innovation and a technological heritage. Having accumulated more than 2,200 patents and boasting the largest textile research center in the world, Milliken continues to innovate to bring new breakthroughs to the workwear and uniform fabric market.

***For more information about Milliken Flame Resistant Fabrics,
contact Ricky Norris at 1-800-828-3034 or visit us at www.millikenfr.com.***



Style 706000, 6.0 oz. Plain – Specifications

100% Nomex IIIA

6 oz. Bottomweight	Process Averages*	Specs*	Test Method
Weight	5.9 oz/yd2 (+/- 2%)	6.0 oz/yd2 (+/- 5%)	ASTM D3776
Width-Min.	61.0"	>60.0" Cuttable	
Tear Strength (lbs W X F)	7.0 x 5.5	>5.5 x >5.0	ASTM D1424
Tensile Strength (lbs W X F)	204 x 143	>150 x >100	ASTM D5034
Appearance	3.0 min. (10 IL)	N/A	AATCC 124 - 1996
Laundry Shrinkage (W X F)	0.8% x 1.3%	<3.0% x <3.0%	ASTM 1506 AATCC 135-3, IV, Aiii
TPP (contact/spaced)	8.6 / 12.5	>3/6	NFPA 2112-2007
Vertical Flame	2.2"	<4.0"	ASTM D6413
Thermal Shrinkage	0.7% x 0.9%	<10%	NFPA 2112-2007
Arc Rating (ATPV)	6.5 cal/cm2	>4.0	ASTM F1959
Thermal Manikin	22%	<50%	ASTM F1930

Certified to NFPA 2112, CAN/CGSB-155.20, ASTM F 1506, NFPA 1975 

*Note: "Process Averages" are historical estimates and actual results may vary from lot to lot (but will meet the minimum "Specs.")

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

Please Note: CXP 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. 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.

Revision 1 01/05/2009



Style 706001, 4.5 oz. Plain - Specifications

100% Nomex IIIA

4.5 oz. Topweight	Process Averages*	Specs*	Test Method
Weight	4.4 oz/yd2 (+/- 3%)	4.5 oz/yd2 (+/- 5%)	ASTM D3776
Width-Min.	61.0"	>60.0" Cuttable	
Tear Strength (lbs W X F)	5.9 x >5.3	>5.5 x >5.0	ASTM D1424
Tensile Strength (lbs W X F)	145 x 104	>75 x >75	ASTM D5034
Appearance	3.0 min. (10 IL)	N/A	AATCC 124 - 1996
Laundry Shrinkage (W X F)	1.5% x <1.5%	<3.0% x <3.0%	ASTM 1506 AATCC 135-3, IV, Aiii
TPP (contact/spaced)	7.3 / 10.7	>3/6	NFPA 2112-2007
Vertical Flame	2.3"	<4.0"	ASTM D6413
Thermal Shrinkage	0.9% x 2.1%	<10%	NFPA 2112-2007
Arc Rating (ATPV)	5.1 cal/cm2	>4.0	ASTM F1959
Thermal Manikin	32%	<50%	ASTM F1930

Certified to NFPA 2112, CAN/CGSB-155.20, ASTM F 1506, NFPA 1975 

*Note: "Process Averages" are historical estimates and actual results may vary from lot to lot (but will meet the minimum "Specs.")

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

Please Note: CXP 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. 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.

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