

Milliken™

Milliken Horizon™

## Strength and uniformity.



AR  
5X  
10X  
20X  
30X  
50X

Colorfastness for Milliken Horizon after 50 laundings.

AR  
5X  
10X  
20X  
30X  
50X

Colorfastness for competitive outer shell.

**Firefighter health and safety** are at the forefront of all Milliken Fire Service fabric development. That's why we designed a lightweight outer shell to protect heroes for years to come. Powered by ColorSeal™ Technology, Milliken Horizon™ retains appearance and strength through repeated laundings and UV exposure, providing department uniformity and professionalism other fabrics can't deliver.

### MILLIKEN HORIZON™ BENEFITS

- Unmatched colorfastness
- Superior UV lightfastness
- Black & Gold fabric readily available
- Non-PFAS DWR finish
- Producer dyed fibers to reduce water & chemical consumption



Fire Service



6.8 oz/yd<sup>2</sup> 2x1 LH RipTwill

**MPG S000107505**  
Gold, Non-PFAS Hypropel finish

**MPG S000107515**  
Black, Non-PFAS Hypropel finish

**FIBER BLEND**

50% Para-aramid  
48% Meta-aramid  
2% Antistat

**Fire Service | Milliken Horizon™**

2X1 LH RIPTWILL	PROCESS AVG.	SPECS	TEST METHOD
<b>Weight</b>	6.8 oz/yd <sup>2</sup>	6.8 oz/yd <sup>2</sup> (+/-5%)	ASTM D3776
<b>Width (overall/cuttable)</b>	62.5"/62"	≥ 61" cuttable	ASTM D3774
<b>Trap Tear Strength, lbs. (WxF)</b> Initial and 5 wash	Initial 55.1 x 49.4 5 wash 49.2 x 44.5	≥ 22.0 x ≥ 22.0	ASTM D5587 AATC 135-1, V, Ai
<b>Tensile Strength, lbs. (WxF)</b> 10 wash	221 x 218	≥ 140 x ≥ 140	ASTM D5034
<b>Laundry Shrinkage (% WxF)</b> 5 wash	2.0 x 2.6	≤ 5.0% x ≤ 5.0%	AATCC 135-1, V, Ai
<b>Vertical Flame, in. (WxF)</b> Initial and 5 wash	Initial 1.65" x 1.92" 5 wash 1.22" x 1.02"	≤ 4.0" x ≤ 4.0"	ASTM D6413 AATC 135-1, V, Ai
<b>Heat &amp; Thermal Shrinkage (% WxF)</b> Initial and 5 wash	Initial 0.0 x 1.0 5 wash 0.0 x 1.0	≤ 10.0" x ≤ 10.0"	ASTM F2894 AATCC 135-2004: 1,V,Ai
<b>Water Absorption Resistance (%)</b> 5 wash	12.0	≤ 15.0	ASTM 42 AATC 135-1, V, Ai

UL® certified to NFPA 1971 

Note: "Process Averages" are historical averages; actual results may vary by lot (but will meet the min. "Specs.")  
**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](http://www.milliken.com/terms) (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

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