

February 26, 2026

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Reference	File	MH14870	Volume	1
Subject	NFPA 1970(1971)-2025 Edition User Information Test Data			
Standard(s)	NFPA 1970, Standard on Protective Ensembles for Structural and Proximity Firefighting, Work Apparel, Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency Services, and Personal Alert Safety Systems (PASS), Edition 2025, AMD 18, Revision Date 09/09/2025			
CCN(s)	QGVG2			

Dear James Cliver,

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

NFPA 1970 requires the information described below to be reported as part of the USER INFORMATION for structural and proximity protective garments. This letter may be used to share the necessary information between component and garment manufacturers for inclusion in the protective element USER INFORMATION. Information that does not correlate with these templates may not be acceptable.

SECTION REFERENCE	USER INFORMATION REQUIREMENTS – NFPA 1970(1971)-2025, SECTION 6
6.5.12	Where specific requirements exist in Chapters 1 through 8 for conducting testing and reporting the results of those tests, the results shall be made available as part of the user information.
	REQUIRED TEST
	8.2.7 Garment outer shells shall be evaluated for flame resistance following fuel exposure and cleaning as specified in Section 9.9.4, Flame Resistance Following Fuel Exposure and Cleaning Test, with the following results reported in the user information: (1) Indices of repellency, penetration, and absorption following exposure to diesel fuel (2) Indices of repellency, penetration, and absorption following exposure to diesel fuel and after being subjected to laundering conditioning (3) Flame resistance following exposure to diesel fuel (4) Flame resistance following exposure to diesel fuel and the application of one cleaning cycle 9.9.4.6.3 For comparison purposes, the ordinary flame resistance results for the respective outer shell material shall be provided alongside the test results described in 9.9.4.6.2.
	OPTIONAL TEST
	8.2.8 Where the garment manufacturer or component supplier is required to report the contaminant removal efficiency for semivolatile organic compounds and heavy metals in the user information, outer shells, moisture barriers, and thermal barriers shall be evaluated for ease of cleaning as specified in 9.9.3, Contamination Removal Efficiency Tests.

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Please contact the undersigned with any questions.

Best Regards,

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9.9.4, Flame Resistance Following Fuel Exposure and Cleaning Test (Required Test)

REPORTING TEMPLATE FOR END-PRODUCT USER INFORMATION

Outer Shell Fabric and Finish	Condition	Direction	Indices of Penetration, Repellency, Absorption			Flame Resistance	
			I_P	I_R	I_A	Average Afterflame (s)	Average Char Length (mm)
MPG S000106175 Westex® Synergy - Hydropel Finish (non-PFAS water repel)	Fuel Contamination	Warp	31.2	13.7	100.0	41.5	85
		Fill	31.2	12.1	97.6	36.2	222
	Fuel Contamination followed by Cleaning	Warp	19.4	0.2	76.4	16.9	103
		Fill	20.0	0.3	82.5	12.0	104
	As Received	Warp	N/A	N/A	N/A	0.1	82
		Fill	N/A	N/A	N/A	0.1	82
	After 5 Launderings	Warp	N/A	N/A	N/A	0.7	70
		Fill	N/A	N/A	N/A	0.4	65

Outer Shell Fabric and Finish	Condition	Direction	Indices of Penetration, Repellency, Absorption			Flame Resistance	
			I_P	I_R	I_A	Average Afterflame (s)	Average Char Length (mm)
MPG S000107505 Horizon – Hydropel Finish (non-PFAS water repel)	Fuel Contamination	Warp	28.1	0.0	70.1	22.1	22
		Fill	28.0	0.0	71.2	32.3	19
	Fuel Contamination followed by Cleaning	Warp	24.7	0.0	68.8	3.8	32
		Fill	23.3	0.0	75.2	2.2	32
	As Received	Warp	N/A	N/A	N/A	0.0	38
		Fill	N/A	N/A	N/A	0.0	40
	After 5 Launderings	Warp	N/A	N/A	N/A	0.1	34
		Fill	N/A	N/A	N/A	0.0	32

Outer Shell Fabric and Finish	Condition	Direction	Indices of Penetration, Repellency, Absorption			Flame Resistance	
			I_P	I_R	I_A	Average Afterflame (s)	Average Char Length (mm)
MPG S000107515 Horizon – Hydropel Finish (non-PFAS water repel)	Fuel Contamination	Warp	26.9	0.0	71.7	27.5	13
		Fill	28.2	0.0	69.4	29.0	19
	Fuel Contamination followed by Cleaning	Warp	24.4	0.8	74.2	2.6	29
		Fill	23.5	0.0	67.2	1.9	30
	As Received	Warp	N/A	N/A	N/A	0.0	37
		Fill	N/A	N/A	N/A	0.0	34
	After 5 Launderings	Warp	N/A	N/A	N/A	0.1	27
		Fill	N/A	N/A	N/A	0.1	24