

NFPA 701-2023 · United States

Method 1 + Method 2

molo soft collection

deep blue paper

molo design, ltd.

1470 Venables Street
Vancouver BC
Canada V5L 2G7

t +1 604 685 0340

info@molodesign.com
www.molodesign.com



NFPA 701-2023 · United States

Standard methods of fire tests for flame propagation of textiles and films (METHOD 1 AND METHOD 2)

molod deep blue paper products have passed fire rating testing under the North American standard NFPA 701-2023 Method 1 and Method 2.

NFPA 701-2023 establishes standardized procedures for assessing the flame propagation characteristics of textiles and films used in interior applications, with Method 1 and Method 2 selected based on material weight, composition, and construction.

Method 1:

Applies to lightweight fabrics with an areal density of 700 g/m² (21 oz/yd²) or less, such as curtains and draperies, and evaluates flame spread using vertically suspended specimens exposed to a controlled ignition source to determine whether flame propagation remains limited.

Method 2:

Applies to heavier, multilayered, coated, or non-fabric materials, including vinyls and plastic films, and utilizes a more rigorous testing procedure appropriate for materials with greater mass or complex assemblies.

Both methods are designed to assess the tendency of a material to resist flame propagation beyond the area of direct flame impingement under controlled laboratory conditions.

All products should always be kept away from any open flame or heat source to avoid possible damage.

MOLO DESIGN, LTD. TEST REPORT

SCOPE OF WORK

NFPA 701-2023, METHOD 1 - STANDARD METHODS OF FIRE TESTS FOR FLAME
PROPAGATION OF TEXTILES AND FILMS FOR FLAT SHEETS ON DEEP BLUE PAPER FOR MOLO
SOFT COLLECTION

REPORT NUMBER

106498361MID-005

TEST DATE(S)

03/13/26

ISSUE DATE

03/17/26

[REVISED DATE]

N/A

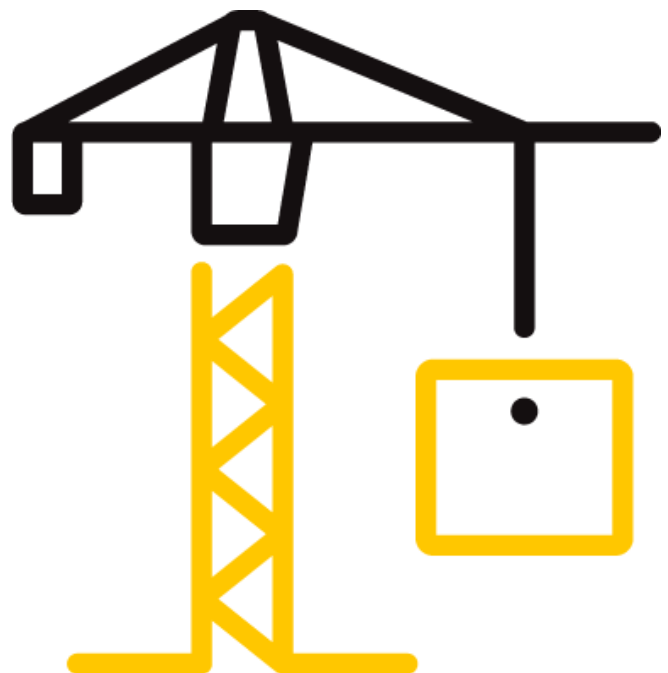
PAGES

4

DOCUMENT CONTROL NUMBER

GFT-OP-10c (09/29/20)

© 2017 INTERTEK



TEST REPORT FOR MOLO DESIGN, LTD.

Report No.: 106498361MID-005

Date: 03/17/26

REPORT ISSUED TO

MOLO DESIGN, LTD.

1470 Venables Street
Vancouver, BC
V5L 2G7, Canada

SECTION 1

SCOPE

Intertek Testing Services NA, Inc. dba Intertek Building & Construction (B&C) was contracted by Molo Design, Ltd. to perform testing in accordance with NFPA 701-2023, *Method 1 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films*, on their Deep Blue Paper for Molo Soft Collection. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at Intertek test facility in Middleton, WI.

Unless differently required, Intertek reports apply the "Simple Acceptance" rule also called "Shared Risk approach," of ILAC-G8:09/2019, Guidelines on Decision Rules and Statements of Conformity.

Intertek B&C will service this report for the entire test record retention period. The test record retention period ends four years after the test date. Test records, such as detailed drawings, datasheets, representative samples of test specimens (where required by Certification or Accreditation bodies), or other pertinent project documentation, will be retained for the entire test record retention period.

SECTION 2

SUMMARY OF TEST RESULTS

Deep Blue Paper for Molo Soft Collection met the specified performance requirements.

For INTERTEK B&C:

COMPLETED BY:	Barka Dauda
TITLE:	Lab Technician I
SIGNATURE:	
DATE:	03/17/26

REVIEWED BY:	Sandy Osborne
TITLE:	Associate Engineer
SIGNATURE:	
DATE:	03/17/26

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample(s) tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

TEST REPORT FOR MOLO DESIGN, LTD.

Report No.: 106498361MID-005

Date: 03/17/26

SECTION 3

TEST METHOD(S)

The specimens were evaluated in accordance with the following:

NFPA 701-2023, *Standard Methods of Fire Tests for Flame Propagation of Textiles and Films*

SECTION 4

MATERIAL SOURCE/INSTALLATION

Test samples were provided by the client. The results outlined in this report apply to the sample as received. Samples were received at the Evaluation Center on March 2, 2026, in good condition verified by Sample ID# MID2603021242-001

SECTION 5

EQUIPMENT

EQUIPMENT			
DESCRIPTION - ASSET #:	Stopwatch - 1580	CALIBRATION DUE:	7/10/2026
DESCRIPTION - ASSET #:	Oven Logger - 701	CALIBRATION DUE:	1/8/2027
DESCRIPTION - ASSET #:	Test Cabinet - 1236	CALIBRATION DUE:	11/10/2026
DESCRIPTION - ASSET #:	Burner- 1474	VBUE:	3/13/2026
DESCRIPTION - ASSET #:	Scale - 1396	CALIBRATION DUE:	3/9/2027
DESCRIPTION - ASSET #:	Flowmeter - 1209	CALIBRATION DUE:	8/15/2026
DESCRIPTION - ASSET #:	Temp/Humid Reader Sample Rm - 1374	CALIBRATION DUE:	10/16/2026
DESCRIPTION - ASSET #:	Temp/Humid Reader - 1600	CALIBRATION DUE:	3/26/2026

SECTION 6

TEST PROCEDURE

Testing was conducted in accordance with Chapters 4-10; Flame Test Procedures for Test Method 1. There were no deviations from the standard.

SECTION 7

TEST SPECIMEN DESCRIPTION

Samples were received as 10 specimens of a dark blue material measuring approximately 400 mm by 150 mm. Samples were conditioned in a circulating oven for 30 min at 105°C ± 3°C.

TEST REPORT FOR MOLO DESIGN, LTD.

Report No.: 106498361MID-005

Date: 03/17/26

SECTION 8

TEST RESULTS

TEST RESULTS UNLEACHED AND UNWEATHERED					
Sample	Weight Before (g)	Weight After (g)	Weight Loss (%)	After Flame (sec)	Floor Flame (sec)
1	6.97	5.54	20.52	0.0	0.0
2	6.97	5.11	26.69	0.0	0.0
3	7.14	5.41	24.23	0.0	0.0
4	7.01	5.11	27.10	0.0	0.0
5	7.12	5.44	23.60	0.0	0.0
6	7.10	4.98	29.86	0.0	0.0
7	7.13	5.63	21.04	0.0	0.0
8	7.14	5.02	29.69	0.0	0.0
9	7.09	5.73	19.18	0.0	0.0
10	7.18	4.90	31.75	0.0	0.0
Average	7.09	5.29	25.37	0.0	0.0

SPECIMEN DENSITY			
	Specimen 1	Specimen 2	Specimen 3
Weight (g)	6.97	6.97	7.14
Length (mm)	400	400	400
Width (mm)	150	150	150
g/m ²	116.17	116.17	119.00

SECTION 9

CONCLUSION

The average weight loss of the 10 specimens was not greater than 40 percent. The % weight loss of any individual specimen did not exceed the mean % weight loss value plus 3 standard deviations of the % weight loss. Deep Blue Paper for Molo Soft Collection met the criteria stated in NFPA 71-2023 Chapter 10 – Flame Propagation Performance Criteria for Test Method 1.

SECTION 10

REVISION LOG

REVISION #	DATE	SECTION	REVISION
0	03/17/26	N/A	Original Report Issue

MOLO DESIGN, LTD. TEST REPORT

SCOPE OF WORK

NFPA 701-2023, METHOD 2 - STANDARD METHODS OF FIRE TESTS FOR FLAME PROPAGATION OF TEXTILES AND FILMS FOR FLAT SHEETS (SECTION 13.1.3) ON DEEP BLUE PAPER FOR MOLO SOFT COLLECTION

REPORT NUMBER

106498361MID-006

TEST DATE(S)

03/13/26

ISSUE DATE

03/17/26

[REVISED DATE]

N/A

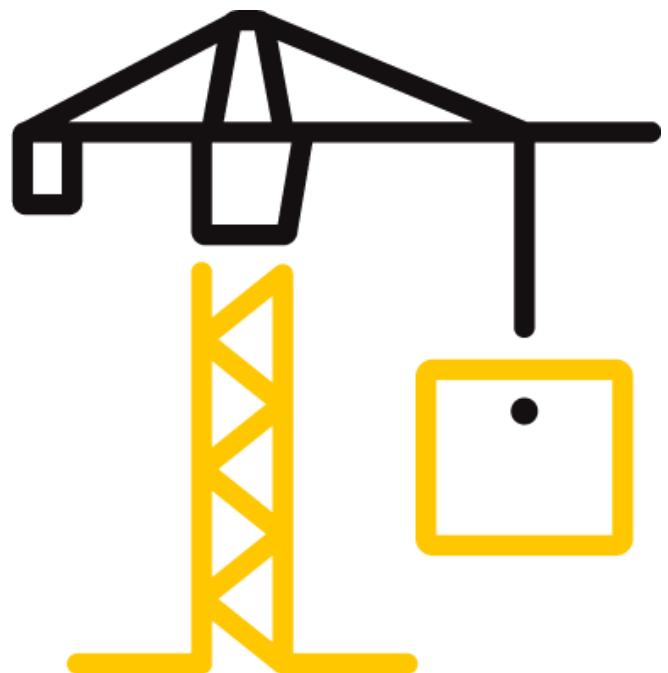
PAGES

4

DOCUMENT CONTROL NUMBER

GFT-OP-10c (09/29/20)

© 2017 INTERTEK



TEST REPORT FOR MOLO DESIGN, LTD.

Report No.: 106498361MID-006

Date: 03/17/26

REPORT ISSUED TO

MOLO DESIGN, LTD.

1470 Venables Street,
Vancouver, BC V5L 2G7,
Canada

SECTION 1

SCOPE

Intertek Testing Services NA, Inc. dba Intertek Building & Construction (B&C) was contracted by Molo Design, Ltd. to perform testing in accordance with NFPA 701-2023, Method 2 - *Standard Methods of Fire Tests for Flame Propagation of Textiles and Films for Flat Sheets (Section 13.1.3)*, on their Deep Blue Paper for Molo Soft Collection. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at Intertek test facility in Middleton, WI.

Unless differently required, Intertek reports apply the "Simple Acceptance" rule also called "Shared Risk approach," of ILAC-G8:09/2019, Guidelines on Decision Rules and Statements of Conformity.

Intertek B&C will service this report for the entire test record retention period. The test record retention period ends four years after the test date. Test records, such as detailed drawings, datasheets, representative samples of test specimens (where required by Certification or Accreditation bodies), or other pertinent project documentation, will be retained for the entire test record retention period.

SECTION 2

SUMMARY OF TEST RESULTS

No specimens continued flaming for more than two seconds. The length of char did not exceed 17.1 inches from the bottom edge of the specimen for flat sheets (see section 13.1.3). There was no flaming on floor of apparatus.

For INTERTEK B&C:

COMPLETED BY:	Barka Dauda	REVIEWED BY:	Sandy Osborne
TITLE:	Lab Technician I	TITLE:	Associate Engineer
SIGNATURE:		SIGNATURE:	
DATE:	03/17/26	DATE:	03/17/26

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample(s) tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

TEST REPORT FOR MOLO DESIGN, LTD.

Report No.: 106498361MID-006

Date: 03/17/26

SECTION 3

TEST METHOD(S)

The specimens were evaluated in accordance with the following:

NFPA 701-2023, *Standard Methods of Fire Tests for Flame Propagation of Textiles and Films*

SECTION 4

MATERIAL SOURCE/INSTALLATION

Test samples were provided by the client. The results outlined in this report apply to the sample as received. Samples were received at the Evaluation Center on March 2, 2026, in good condition verified by Sample ID# MID2603021242-001.

SECTION 5

EQUIPMENT

EQUIPMENT			
DESCRIPTION - ASSET #:	Stopwatch - 1583	CALIBRATION DUE:	7/10/2026
DESCRIPTION - ASSET #:	Oven - 1200	CALIBRATION DUE:	FRO
DESCRIPTION - ASSET #:	Test Cabinet - 1203	CALIBRATION DUE:	FRO
DESCRIPTION - ASSET #:	Burner- 1473	VBV:	3/13/2026
DESCRIPTION - ASSET #:	Scale - 1396	CALIBRATION DUE:	3/9/2027
DESCRIPTION - ASSET #:	Flowmeter - 1209	CALIBRATION DUE:	8/2/2026
DESCRIPTION - ASSET #:	Oven Logger - 701	CALIBRATION DUE:	1/8/2027
DESCRIPTION - ASSET #:	Temp/Humid Reader Sample Rm - 1374	CALIBRATION DUE:	10/16/2026
DESCRIPTION - ASSET #:	Temp/Humid Reader - 1600	CALIBRATION DUE:	3/26/2026

SECTION 6

TEST PROCEDURE

Testing was conducted in accordance with Chapter 14; Flame Test Procedures for Test Method 2.

SECTION 7

TEST CRITERIA

TEST CRITERIA
1. No specimen shall continue flaming for more than two sec.
2. Length of char shall not exceed 17.1 in from the bottom edge of the specimen.
3. No flaming on the floor of apparatus is allowed for longer than 2 sec.

TEST REPORT FOR MOLO DESIGN, LTD.

Report No.: 106498361MID-006

Date: 03/17/26

SECTION 8

TEST SPECIMEN DESCRIPTION

Samples were received as 10 approximately 6" by 48" sheets of dark blue paper. All Specimens were subjected to conditioning in an oven at 105 °C ± 3 °C (220 °F ± 5 °F) for not less than 1 hour or more than 3 hours before testing by Intertek.

SECTION 9

TEST RESULTS

TEST RESULTS INITIALS			
Specimen	After Flame Duration (sec)	Floor Flaming (sec)	Char Length (in)
1	0	0	10.000
2	0	0	9.000
3	0	0	7.250
4	0	0	10.750
5	0	0	8.000
6	0	0	7.500
7	0	0	8.500
8	0	0	9.250
9	0	0	10.000
10	0	0	8.000
Average	0	0	8.825

OBSERVATIONS INITIALS
Specimens ignited at point of contact with the test flame producing light grey and black smoke. There was no afterflame observed for any of the specimens and there was also no flame dripping.

SPECIMEN DENSITY			
	Specimen 1	Specimen 2	Specimen 3
Weight (g)	20.79	21.12	21.34
Length (mm)	1219.2	1219.2	1219.2
Width (mm)	152.4	152.4	152.4
g/m ²	111.89	113.67	114.85
		Average	113.47

SECTION 10

CONCLUSION

Deep Blue Paper for Molo Soft Collection met the specified performance requirements.

SECTION 11

REVISION LOG

REVISION #	DATE	SECTION	REVISION
0	03/17/26	N/A	Original Report Issue