



COMMERCIAL TESTING COMPANY

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Report Number 19-09121

Sihl, Inc.
Fiskeville, Rhode Island

Test Number 5473-3804
September 17, 2019

NFPA 701, Test 1

Test Method: The material was tested in accordance with the National Fire Protection Association method NFPA 701, *Standard Methods of Fire Tests for Flame Propagation of Textiles and Films*, 2019 Edition, Test Method 1.

Material Tested: The client submitted a sample identified as **3512 Fabric Banner**, polyester having a thickness of approximately 270 μm . The material had a total weight of 7.9 ounces per square yard.

Test Data:

Specimen	After Flame (seconds)	Flaming Dripping (seconds)	Percent Weight Loss
1	0	0	2.8
2	0	15	26.2
3	3	0	34.1
4	0	0	30.2
5	0	0	32.4
6	0	0	13.6
7	0	0	7.5
8	0	0	15.9
9	0	0	10.7
10	0	0	18.7
Mean	N/A	1.5	19.2

Statistical Values:

Standard Deviation = 10.99

Mean + 3 Standard Deviations = 52.2

Performance Criteria: A material passes the test if:

- the average Flaming Dripping time does not exceed 2.0 seconds;
- the average weight loss of the 10 specimens shall be 40 percent or less; and
- no individual specimen's mass loss shall deviate more than 3 standard deviations from the mean.
- Afterflame time is not specified; it is shown for information purposes only.

Test Result: The material tested **MEETS** the requirements of NFPA 701-10, Test 1.

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(Authorized Signature)

This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. The test results presented in this report apply only to the samples tested and are not necessarily indicative of apparent identical or similar materials. Sample selection and identification were provided by the client. A sampling plan, if described in the referenced standard, was not necessarily followed. This report, or the name of Commercial Testing Company, shall not be used under any circumstance in advertising to the general public.