



**NFPA 701 - 2015 Standard Methods of Fire Tests for Flame
Propagation of Textiles and Films
METHOD 1**

Client: Hewlett-Packard
Address: 16399 West Bernardo Drive
Mail Stop 8-60
San Diego, CA 92127

Received Date: September 13, 2017
(This specimen was received in good condition and logged in as
sample SAT1709130950-001)

Test Date: September 22, 2017
Report Date: September 26, 2017

Project No: 103231468SAT-001

Sample Identification: HP Durable Backlit Fabric

Description: Fabric Material

Sample Preparation: N/A

Weight: N/A

Specimens Dimensions: 150 mm x 400 mm x 0.0055 in

This Test Witnessed by: N/A
Environmental Conditions: 68°F and 72% r.h.

SUMMARY OF TEST PROCEDURE:

Ten specimens are cut with the long dimension parallel to the lengthwise direction of the material and conditioned for at least 30 min. at $220 \pm 5^\circ\text{F}$ ($105 \pm 3^\circ\text{C}$) before testing. The specimens are removed from the oven one at a time and tested within 2 minutes. The top edge of the specimen is attached to a pin bar so that the specimen is centered on the pin bar and the long dimension of the specimen is in the vertical position with 0.75" binder clips attached to the specimen at each bottom corner. A specified test flame is applied to the bottom center of the specimen for 45 sec. and then removed.

TEST CRITERIA:

The average weight loss of ten specimens shall not be greater than 40%. The percent weight loss of any individual specimen can not exceed the mean percent weight loss value plus three standard deviations of the percent weight loss. The average floor flame of ten specimens shall not be greater than 2 seconds.

TEST RESULTS

Sample No.	Wt. Before (grams)	Wt. After Test (grams)	Percent Wt. Loss	AfterFlame (sec.)	Floor Flame (sec.)
1	9.1	8.8	2.6	0	0
2	9.0	8.9	0.9	0	0
3	9.0	8.5	5.6	0	0
4	9.1	9.0	0.8	0	0
5	9.1	9.1	0.3	0	0
6	8.9	8.8	1.1	0	0
7	8.9	8.8	1.1	0	0
8	8.9	8.8	1.0	0	0
9	8.9	8.7	2.1	0	0
10	9.0	9.0	0.1	0	0
Average	9.0	8.8	1.6	0	0

Standard deviation of percent Wt. loss = 1.51 Mean value plus 3 standard deviations = 6.10

Criteria 1 (Avg % WT Loss less than or equal to 40%)	PASS
Criteria 2 (Individual % WT Loss no greater than mean + 3 Std Devs)	PASS
Criteria 3 (Avg Floor Flame not greater than 2 sec.)	PASS

Conclusion:

THE SPECIMEN PASSED THE TEST CRITERIA.

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This report contains a total of three pages.



Theodore Salazar
Technician I

Reviewed and approved:



Servando Romo
Project Manager