

TEST REPORT

SCOPE OF WORK

NFPA 701 METHOD 1 - 2015 STANDARD METHODS OF FIRE TESTS FOR FLAME
PROPAGATION OF TEXTILES AND FILMS ON FIRE RETARDANT PLASTIC PLANTS; FR PE-DB

REPORT NUMBER

103729751SAT-001

TEST DATE(S)

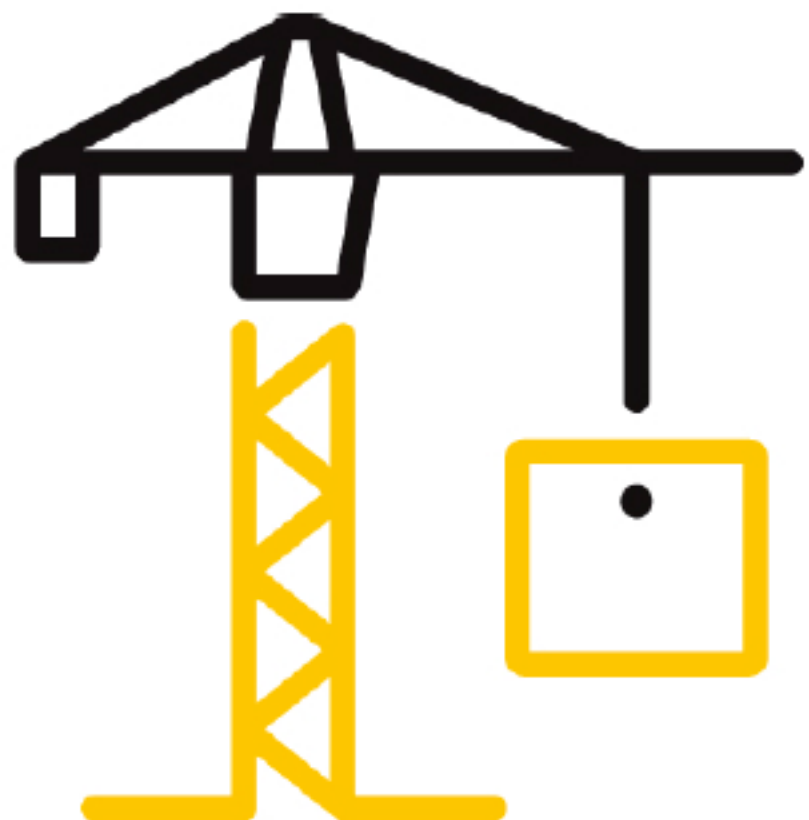
12/14/18

ISSUE DATE

12/19/18

PAGES

5



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Report No.: 103729751SAT-001

Date: 12/19/18

REPORT ISSUED TO

Cleveland, OH 44114

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by , Cleveland, OH 44114 to perform testing in accordance with NFPA 701 Method 1 - 2015 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, on their FIRE RETARDANT PLASTIC PLANTS; FR PE-DB. Results obtained are tested values and were secured by using the designated test method. Testing was conducted at Intertek B&C test facility in Elmendorf, Texas. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

For INTERTEK B&C:

COMPLETED BY: Theodore Salazar

TITLE: Technician I

SIGNATURE:

DATE: 12/19/18

REVIEWED BY: Servando Romo

TITLE: Project Manager

SIGNATURE:

DATE: 12/19/18

SECTION 2

TEST METHOD(S)

The specimen was evaluated in accordance with the following:

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

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SECTION 3

LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Theodore Salazar	Intertek B&C

SECTION 4

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.

SECTION 5

TEST SPECIMEN DESCRIPTION

SAMPLE ID*	FR PE-DG
DESCRIPTION*	Fire Retardant Plastic Plants
SPECIMEN PREP	The specimens were prepared by the client.
SPECIMEN DIMENSIONS	Size (150mm x 400mm x 0.085 in.)
RECEIVED DATE	11/08/18 (Samples received in good condition)
INTERTEK SAMPLE TRACKER NUMBER	SAT1811081322-001
TEST WITNESSED BY	N/A

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SECTION 6

TEST RESULTS

The specimen was tested on 12/14/18. The ambient temperature was 72°F with a relative humidity of 36%. The data recorded includes:

Sample No.	Wt. Before (grams)	Wt. After Test (grams)	Percent Wt. Loss	After Flame (sec.)	Floor Flame (sec.)
1	118.7	110.2	7.2	0	0
2	118.3	112.2	5.1	0	0
3	118.9	118.2	0.6	0	0
4	119.1	116.1	2.6	0	0
5	118.5	108.3	8.6	0	0
6	118.2	113.8	3.7	0	0
7	118.4	114.0	3.7	0	0
8	119.5	113.8	4.7	0	0
9	119.0	113.7	4.4	0	0
10	120.5	117.7	2.3	0	0
Average	118.9	113.8	4.3	0	0

Standard deviation of percent Wt. loss = 2.22 Mean value plus 3 standard deviations = 10.96

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

SECTION 7

TEST CRITERIA

The average weight loss of ten specimens shall not be greater than 40%. The percent weight loss of any individual specimen cannot 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.

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SECTION 8**CONCLUSION****THIS SPECIMEN PASSED NFPA 701 Method 1 - 2015 TEST CRITERIA****SECTION 9****REVISION LOG**

REVISION #	DATE	PAGES	REVISION
0	12/19/18	N/A	Original Report Issue

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