

Received:06/14/2005	Completed:06/22/2005	Letter: X	rb	P.O.#:	Test Report #: 2-57529-0-
Client's Identification	Style: 2000. Content: 30% Polyester, 70% Vinyl on Polyester. Finish: Roller Shades. Weight: 12.076 oz/yd ² . Color: White.				
Tested For: Mike Lee	Bestex Technical Textile Co. Ltd. Hongmei Industrial Park, Waihuan Rd, Changzhou Jiangsu PR China 21301			Key Test: NFPA 701-2004 TM#1	150
	Tel: 011 86 519 532 1988		Ext:		
	Fax: 011 86 519 532 9982				

PC: 0.5H

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2004 Edition - Test Method #1

PRODUCT CONFIGURATION: Single Layer; Multi Layer

RESULTS REPORTED: Initially; After 3 dry cleanings; After 5 launderings @ 160°F

RESULTS:

Specimen #	Afterflame* (seconds)	Flaming Drip (seconds)	Weight Loss (percent)	Flame Projects Above Top Of Specimen (yes/no)
1	0.0	0.0	26.7	No
2	14.7	8.2	8.1	No
3	0.0	0.0	10.8	No
4	13.9	0.0	6.6	No
5	0.0	0.0	6.2	No
6	1.5	11.4	6.6	No
7	0.0	0.0	2.4	No
8	0.0	0.0	4.7	No
9	33.0	0.0	6.6	No
10	0.0	0.0	12.7	No
	Mean:	2.0	Mean:	9.1

STATISTICAL VALUES: SD = 6.8 3 SD = 20.5 Mean + 3 SD = 29.7

ABBREVIATIONS USED: SD = Standard deviation.

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 447 g/m²

PRECONDITIONING: 0.5 hr @ 220°F (Standard)
 24 hrs @ 68±9°F (Alternate: Material shrinks/distorts @ 220°F)

CONVERSION FACTOR: g/m² ÷ 28.35 x .835 = oz/yd²

NOTE:

- All specimens prepared in the length direction.
- See addendum for individual specimen weights.

REMARKS: None.

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Tested For: Mike Lee	Bestex Technical Textile Co. Ltd. Hongmei Industrial Park, Waihuan Rd, Changzhou Jiangsu PR China 21301				Key Test: NFPA 701-2004 TM#1	150
					Tel: 011 86 519 532 1988	Ext:
					Fax: 011 86 519 532 9982	

FAILURE CRITERIA: As cited by NFPA 701 - 2004 Edition Test Method #1 (see Comments on page 3)

Afterflame	Flaming Drip Mean	Weight Loss (percent)	
		Mean	Individual Specimen
*	Exceeds 2 seconds	Exceeds 40%	Exceeds Mean + 3 SD

CONCLUSION: Based on the Results on page 1 and the above Failure Criteria cited by NFPA 701 - 2004 Edition Test Method #1, the item tested:

Passes; Fails; Requires testing of 10 additional specimens
i.e. only one individual specimen failure was noted

REVISED FAILURE CRITERIA (see Comments on page 3):

Afterflame	Flaming Drip Mean	Weight Loss		Flame Height (Individual Specimen)
		Mean	Ind. Spec.	
*	Exceeds 2 seconds	Exceeds 40%	Exceeds 50%	Projects above top of specimen

CONCLUSION: Based on the Results on page 1 and the above Revised Failure Criteria, the item tested:

Passes; Fails; Requires testing of 10 additional specimens
i.e. only one individual specimen failure was noted

* Afterflame is required to be recorded; however, the NFPA document does not factor it into the Failure Criteria reporting requirements. It should be noted that excessive afterflames (15 seconds or more) could be cause for rejection by local fire authorities performing "match" field tests.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by NFPA 701 - 2004 Edition Test Method #1 with additional recording of flame height.

Heather G. Robertson

AUTHORIZED SIGNATURE

THE GOVMARK ORGANIZATION, INC.

/rbAH

MS. HEATHER ROBERTSON

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Tested For: Mike Lee			Key Test: NFPA 701-2004 TM#1			150
Bestex Technical Textile Co. Ltd. Hongmei Industrial Park, Waihuan Rd, Changzhou Jiangsu PR China 21301			Tel: 011 86 519 532 1988		Ext:	Fax: 011 86 519 532 9982

COMMENTS:

The Govmark Org., Inc. has determined to establish failure criteria over and above the criteria spelled out in the NFPA document. The rationale for the "revised" criteria is as follows:

Weight Loss - Individual Specimen Failure:

The NFPA 701 document, as written, provides for a statistical calculation which provides for retest and a potential failure if any individual value exceeds the mean by three standard deviations. Govmark is of the opinion that this cannot mathematically occur, i.e. no individual result is mathematically capable of exceeding the mean plus three standard deviations. Therefore, Govmark has established 50% as the absolute number for individual specimen criteria.

Individual Specimen - Flame Projects Above Top of Specimen:

When NFPA introduced the weight loss criteria, this was hailed as a more objective measure of product performance over previous editions, which relied on visual measurements of fire degradation. Unforeseen were those products which are composed of finishes over substantially non burning substrates. Intense flaming of the finishes occurs without substantially reducing the total weight of the specimen that was tested. It is believed that similar behavior of the intensely burning surface finishes on products made from such material could result in the ignition of nearby combustibles.

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Received:06/14/2005 Completed:06/21/2005 Letter: X1 rb P.O.#: Test Report #: 2-57529-1-

Client's Identification Style: 2000. Content: 30% Polyester, 70% Vinyl on Polyester. Finish: Roller Shades. Weight: 12.076 oz/yd². Color: White.

Tested For: **Mike Lee** Key Test: NFPA 701-2004 TM#2 Flat 210
 Bestex Technical Textile Co. Ltd.
 Hongmei Industrial Park, Waihuan Rd, Tel: 011 86 519 532 1988 Ext:
 Changzhou Jiangsu PR China 21301 Fax: 011 86 519 532 9982

PC:1H

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2004 Edition - Test Method #2 - Flat Sheet Specimens

SPECIMEN CONFIGURATION: Single Layer; Multi Layer

RESULTS REPORTED: Initially After 72 hours water leaching
 After 3 dry cleanings After 100 hours accelerated weathering
 After 5 launderings @ 160°F

RESULTS:

Length Specimen #	Afterflame (seconds)	Drip Burn (seconds)	Char Length (mm)
1	0	0	270
2	0	0	310
3	0	0	330
4	0	0	280
5	0	0	280
6	0	0	330
7	0	0	280
8	0	0	300
9	0	0	290
10	0	0	310

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 447 g/m²

FAILURE CRITERIA: For each individual specimen --

Afterflame	Drip Burn	Char Length
Exceeds 2.0 seconds	Exceeds 2.0 seconds	Exceeds 435 mm (17.1")

RETEST PROVISION: Test 5 additional specimens if only 1 specimen fails.

CONCLUSION: Based on the above Results and Failure Criteria, the item tested:

Passes; Fails; Requires testing of 5 additional specimens

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by NFPA 701 - 2004 Edition Test Method #2 Flat Sheet Specimens.

Heather E. Robertson

MS. HEATHER ROBERTSON

AUTHORIZED SIGNATURE

THE GOVMARK ORGANIZATION, INC. /rb AH

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Tested For: Mike Lee	Bestex Technical Textile Co. Ltd. Hongmei Industrial Park, Waihuan Rd, Changzhou Jiangsu PR China 21301				Key Test: NFPA 701-2004 TM#2 Flat	210
					Tel: 011 86 519 532 1988	Ext:
					Fax: 011 86 519 532 9982	

PRECONDITIONING: 1 hr @ 220°F (Standard)
 24 hrs @ 68±9°F (Alternate: Material shrinks/distorts @ 220°F)

REMARKS:
None.

CONVERSION FACTORS:
mm ÷ 25.4 = inches
g/m² ÷ 28.35 x .835 = oz/yd²

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