



Received: 09/26/2008	Completed: 09/30/2008	Letter: M	rb	P.O.#: 0000045616	Test Report #:	2-75554-0-
Client's Identification	Light-Weight Commando. 100% Cotton. 54" wide 12oz. Used for Stage Draperies					
Tested For: Bob Bertrand/Yesenia Vargas			Key Test: NFPA 701-89 Sm ✓			105
Rose Brand 4 Emerson Lane Secaucus, NJ 07094			Tel: 1-(800)-223-1624 Fax: 1-(201)-809-1851			Ext: 115

PC: 1H

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Resistant Textiles and Films 1989 Edition (Small Scale Procedure for Curtains & Draperies Weighing Less than 10 oz/yd²)

Note: NFPA 701 - 1989 Edition was specified by the older building codes for draperies, window treatments, and similar hanging decorations. The older building codes required both the Small Scale and Large Scale Tests.

In 1996 NFPA 701 was revised and an entirely different test was developed for draperies, window treatments, and similar hanging decorations. This single test (which replaces the 1989 Tests) is designated as Test Method 1.

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

RESULTS:	Specimen #	Afterflame* (seconds)	Flaming Drip (seconds)	Char Length (inches)
Length:	1	0.0	0.0	3.5
	2	0.0	0.0	2.8
	3	0.0	0.0	3.3
	4	0.0	0.0	3.6
	5	0.0	0.0	2.8
Width:	6	0.0	0.0	3.2
	7	0.0	0.0	2.8
	8	0.0	0.0	3.5
	9	0.0	0.0	2.6
	10	0.0	0.0	2.6
		Avg:	0.0	Avg: 3.1

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 7.8 oz/yd²

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

Complies; Does not comply; Requires testing of 5 additional specimens

RIC



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Tested For: **Bob Bertrand/Yesenia Vargas** Key Test: NFPA 701-89 Sm 105
 Rose Brand
 4 Emerson Lane
 Secaucus, NJ 07094
 Tel: 1-(800)-223-1624 Ext: 115
 Fax: 1-(201)-809-1851

ACCEPTANCE CRITERIA:

Afterflame (seconds)	Flaming Drip (seconds) Maximum Average	Char Length (inches)	
		Max. Avg.	Max. Ind. Spec.
*	2.0	6.5"	7.5"

* Afterflame is required to be recorded; however, it is not factored into the Acceptance Criteria.

RETEST PROVISION:

Test 5 additional specimens if only 1 specimen exceeds 7.5" Char Length.

REMARKS: None.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by NFPA 701 - 1989 Edition Small Scale Procedure for Curtains and Draperies.

Heather E. Robertson

AUTHORIZED SIGNATURE
 THE GOVMARK ORGANIZATION, INC. /jb/mg
MS. HEATHER ROBERTSON

Received: 09/26/2008 Completed: 10/08/2008 Letter: M1 rb P.O.#: 0000045616 Test Report #: 2-75554-1-

Client's Identification: Light-Weight Commando. 100% Cotton. 54" wide 12oz. Used for Stage Draperies

Tested For: **Bob Bertrand/Yesenia Vargas** Key Test: NFPA 701-2004 TM#1 ✓ 165
 Rose Brand
 4 Emerson Lane
 Secaucus, NJ 07094
 Tel: 1-(800)-223-1624 Ext: 115
 Fax: 1-(201)-809-1851

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	12.3	NO
2	0.0	0.0	11.0	NO
3	0.0	0.0	11.0	NO
4	0.0	0.0	11.6	NO
5	0.0	0.0	12.2	NO
6	0.0	0.0	5.5	NO
7	0.0	0.0	13.7	NO
8	0.0	0.0	13.0	NO
9	0.0	0.0	13.1	NO
10	0.0	0.0	14.6	NO
	Mean:	0.0	Mean:	11.8

STATISTICAL VALUES: SD = 2.5 3 SD = 7.5 Mean + 3 SD = 19.3

ABBREVIATIONS USED: SD = Standard deviation.

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 283 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:
 1. All specimens prepared in the length direction.
 2. See addendum for individual specimen weights.

REMARKS: None.





Received: 09/26/2008 Completed: 10/08/2008 Letter: M1 rb P.O.#: 0000045616 Test Report #: 2-75554-1-

Client's Identification Light-Weight Commando. 100% Cotton. 54" wide 12oz. Used for Stage Draperies

Tested For: **Bob Bertrand/Yesenia Vargas**

Key Test: NFPA 701-2004 TM#1

165

Rose Brand
4 Emerson Lane
Secaucus, NJ 07094

Tel: 1-(800)-223-1624 Ext: 115
Fax: 1-(201)-809-1851

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 E. Robertson

AUTHORIZED SIGNATURE

THE GOVMARK ORGANIZATION, INC. /jb/mg

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MS. HEATHER ROBERTSON

Received: 09/26/2008	Completed: 10/08/2008	Letter: M1	rb	P.O.#: 0000045616	Test Report #:	2-75554-1-
Client's Identification	Light-Weight Commando. 100% Cotton. 54" wide 12oz. Used for Stage Draperies					
Tested For: Bob Bertrand/Yesenia Vargas	Key Test: NFPA 701-2004 TM#1				165	
Rose Brand						
4 Emerson Lane					Tel: 1-(800)-223-1624 Ext: 115	
Secaucus, NJ 07094					Fax: 1-(201)-809-1851	

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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Client Name : Rose Brand
Addendum to Test Report # : 2-75554-1
Test : NFPA 701

<u>Specimen #</u>	<u>Weight Before Test (g)</u>	<u>Weight After Test (g)</u>	<u>Percent Weight Loss</u>
1	14.60	12.80	12.3
2	14.50	12.90	11.0
3	14.60	13.00	11.0
4	14.70	13.00	11.6
5	14.80	13.00	12.2
6	14.60	13.80	5.5
7	14.60	12.60	13.7
8	14.60	12.70	13.0
9	14.50	12.60	13.1
10	14.40	12.30	14.6

Mean Percent Weight Loss : 11.8
Standard Deviation : 2.5
3 x Standard Deviation : 7.5
Mean + 3 x Standard Deviation : 19.3



Received:09/26/2008 Completed:09/30/2008 Letter: M4 rb P.O.#: 0000045616 Test Report #: 2-75554-4-

Client's Identification Light-Weight Commando. 100% Cotton. 54" wide 12oz. Used for Stage Draperies

Tested For: **Bob Bertrand/Yesenia Vargas** Key Test: BS 5438 Test 2 (Type B) ✓ 175
 Rose Brand
 4 Emerson Lane
 Secaucus, NJ 07094
 Tel: 1-(800)-223-1624 Ext: 115
 Fax: 1-(201)-809-1851

PC: 24H /jd

TEST PERFORMED: BS 5438: 1976 - Methods of Test for Flammability of Vertically Oriented Textile Fabrics and Fabric Assemblies Subjected to a Small Igniting Flame - Test #2,

As cited by BS 5867 - 1980 Part 2 British Standard Specification for Fabrics for Curtains and Drapes (Type B Performance Requirements)

FLAME APPLICATION: 15 seconds - Face Ignition

RESULTS ARE REPORTED:

- Initially
- After ___ laundering cycle(s) in accordance with manufacturers care instructions

RESULTS:

Flame or Hole Reaches:

Specimen #	Flame or Hole Reaches:			Separation of Flaming Debris (yes/no)	After-flame * (seconds)	After-glow * (seconds)
	Upper Edge (yes/no)	Vertical Edge (yes/no)	Lower Boundary * (yes/no)			
Machine: 1	NO	NO	NO	NO	0	0
2	NO	NO	NO	NO	0	0
3	NO	NO	NO	NO	0	0
Cross Machine: 4	NO	NO	NO	NO	0	0
5	NO	NO	NO	NO	0	0
6	NO	NO	NO	NO	0	0

TYPE B PERFORMANCE REQUIREMENTS: As cited by BS 5867 Part 2 Type B --

1. No part of any hole nor any part of the lowest boundary of any flame shall reach the upper edge or either vertical edge of more than one specimen.
2. No separation of flaming debris from more than one specimen is permitted.

* Results for this category are required to be reported; however they are not factored into the Performance Requirements.

RIC



Received: 09/26/2008	Completed: 09/30/2008	Letter: M4	rb	P.O.#: 0000045616	Test Report #:	2-75554-4-
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Client's Identification | Light-Weight Commando. 100% Cotton. 54" wide 12oz. Used for Stage Draperies

Tested For: Bob Bertrand/Yesenia Vargas Rose Brand 4 Emerson Lane Secaucus, NJ 07094	Key Test: BS 5438 Test 2 (Type B) 175 Tel: 1-(800)-223-1624 Ext: 115 Fax: 1-(201)-809-1851
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REMARKS: None.

CONCLUSION: Based on the above Results and Type B Performance Requirements, the item tested:

Complies; Does not comply

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by BS 5438 - 1976.

Heather E. Robertson

AUTHORIZED SIGNATURE

THE GOVMARK ORGANIZATION, INC.

MS. HEATHER ROBERTSON

/jrb/mg

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Received: 09/26/2008 Completed: 10/02/2008 Letter: M3 rb P.O.#: 0000045616 Test Report #: 2-75554-3-

Client's Identification: Light-Weight Commando. 100% Cotton. 54" wide 12oz. Used for Stage Draperies

Tested For: **Bob Bertrand/Yesenia Vargas** Key Test: CA 1237 Sm ✓ 105
 Rose Brand
 4 Emerson Lane
 Secaucus, NJ 07094
 Tel: 1-(800)-223-1624 Ext: 115
 Fax: 1-(201)-809-1851

PC: 1H /jd

TEST PERFORMED: California Fire Marshal Title 19: Section 1237 (Proposed Revision 8/9/93) Fire Resistance; Small Scale Test - INTERIOR MATERIALS QUALIFICATION

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

RESULTS:	Specimen #	Afterflame (seconds)	Afterglow (seconds)	Char Length (inches)
Warp:	1	0.0	0.0	4.5
	2	0.0	0.0	3.8
	3	0.0	0.0	3.5
	4	0.0	0.0	3.5
	5	0.0	0.0	3.1
	Avg:	0.0		
Fill:	6	0.0	0.0	2.7
	7	0.0	0.0	3.3
	8	0.0	0.0	3.6
	9	0.0	0.0	3.3
	10	0.0	0.0	3.3
	Avg:	0.0		

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 7.8 oz/yd²

ACCEPTANCE CRITERIA:

Afterflame: 4.0 seconds maximum average for warp or fill
 Afterglow: (see Note #2 below)
 Char Length: 6.0 inches maximum for any individual specimen

Notes:

1. An asterisk (*) next to any char length measurement indicates that a part of the char length is melt away due to heat from the flame source and not from propagating flame. Therefore, the sample submitted meets the requirements of Title 19 - California Code of Regulations, Section 1237 and 1237.1 for materials weighing less than 4 oz/yd².
2. Afterglow is required to be reported; however, it is not factored into the Acceptance Criteria.

RIC



Received: 09/26/2008	Completed: 10/02/2008	Letter: M3	rb	P.O.#: 0000045616	Test Report #:	2-75554-3-
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Client's Identification	Light-Weight Commando. 100% Cotton. 54" wide 12oz. Used for Stage Draperies
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Tested For: Bob Bertrand/Yesenia Vargas	Key Test: CA 1237 Sm	105
Rose Brand		
4 Emerson Lane	Tel: 1-(800)-223-1624	Ext: 115
Secaucus, NJ 07094	Fax: 1-(201)-809-1851	

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

Complies; Does not comply

REMARKS: None.

NOTE: In August 1993 the State Fire Marshal issued a proposed revision, which permitted a maximum average Afterflame of 4.0 seconds. This proposed revision was honored by the subsequent State Fire Marshals until approximately February 2004, at which time the State Fire Marshal's office reverted to the unrevised rule of 1 second maximum average for interior fabric.

In a conversation with the latest California State Fire Marshal on August 9, 2007, it was learned that the proposed 1993 revision is now back in effect. In addition to allowing 4 seconds Afterflame rather than 1 second, the proposed revision provides for testing of 10 specimens, rather than 6 specimens.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by California Fire Marshal Title 19: Section 1237 Small Scale (Proposed Revision 8/9/93).

Heather E. Robertson

AUTHORIZED SIGNATURE

THE GOVMARK ORGANIZATION, INC. /jrb/img

MS. HEATHER ROBERTSON

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