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Page 1

Received: 10/20/2016	Completed: 10/21/2016	Letter: J	BG	P.O.#:	Test Report #:	3-15951-0-
Client's Identification	Style: Luna Content: 35% Polyester, 65% Acrylic. Weight: App 370 gr/m ² . Color: Yellow. Product End Use: Curtain.. NOIR					
Tested For: Lone Henriksen Kvadrat A/S Lundbergsvej 10 8400 Ebeltoft Denmark				Key Test: NFPA 701-2015 TM#1 275 Tel: 011 45 89 53 18 66 Ext: Fax: 011 45 89 53 18 00		

LE:2015 NE:2019 V:01/15 NTR 04/16

PC: 0.5H DL/jd

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2015 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)
1	0	0	16.2
2	0	0	29.0
3	0	0	27.6
4	0	0	23.7
5	0	0	22.1
6	0	0	11.7
7	0	0	14.7
8	0	0	29.5
9	0	0	23.1
10	0	0	17.8
Mean:		0	Mean: 21.5

STATISTICAL VALUES: SD = 6.2 3 SD = 18.7 Mean + 3 SD = 40.2

ABBREVIATIONS USED: SD = Standard deviation. NT = Not tested.

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 424 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.

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Received: 10/20/2016	Completed: 10/21/2016	Letter: J	BG	P.O.#:	Test Report #:	3-15951-0-
Client's Identification	Style: Lunar Noir . Content: 35% Polyester, 65% Acrylic. Weight: App 370 gr/m ² . Color: Yellow. Product End Use: Curtain..					
Tested For: Lone Henriksen			Key Test: NFPA 701-2015 TM#1			275
Kvadrat A/S Lundbergsvej 10 8400 Ebeltøft Denmark			Tel: 011 45 89 53 18 66 Fax: 011 45 89 53 18 00			Ext:

REMARKS:

- ☒ Flames did not project above the top of the specimen.
☐ Flames projected above the top of the specimen; Specimen #'s _____
☐ Other: _____

FAILURE CRITERIA: As cited by NFPA 701 - 2015 Edition Test Method #1

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 - 2015 Edition Test Method #1, 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 could be cause for rejection by local fire authorities performing "match" field tests.

** See "Discussion" on Page 3.

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

AUTHORIZED SIGNATURE
GOVMARK
/pm imo

NOV 02 2016



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Tested For: Lone Henriksen			Key Test: NFPA 701-2015 TM#1			275
Kvadrat A/S			Tel: 011 45 89 53 18 66			Ext:
Lundbergsvej 10			Fax: 011 45 89 53 18 00			
8400 Ebeltøft Denmark						

**** DISCUSSION:**

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, in effect, Govmark is of the opinion that this "individual specimen criteria" has no meaning, since it cannot possibly result in a nonconformance.

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The results contained in this report relate only to item(s) tested. The test report shall not be reproduced, except in full, without written approval from Govmark.

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Client Name : Kvadrat
Addendum to Test Report # : 3-15951-0
Test : NFPA 701

Specimen #	Weight Before Test (g)	Weight After Test (g)	Percent Weight Loss
1	27.20	22.80	16.2
2	26.20	18.60	29.0
3	26.80	19.40	27.6
4	26.20	20.00	23.7
5	26.20	20.40	22.1
6	25.60	22.60	11.7
7	25.80	22.00	14.7
8	25.80	18.20	29.5
9	26.00	20.00	23.1
10	25.80	21.20	17.8

Mean Percent Weight Loss : 21.5
Standard Deviation : 6.2
3 x Standard Deviation : 18.7
Mean + 3 x Standard Deviation : 40.2