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Received: 05/22/2018 | Completed: 05/29/2018 | Letter: U1 | BG | P.O.#: TONIX | Test Report #: 3-26274-1-

Client's Identification | Style: Tonix by Kvadrat.

Tested For: **Anna King** | Key Test: NFPA 701-2015 TM#1/ACT 175
 Maharam
 74 Horseblock Road | Tel: 1-(631)-282-6318 Ext:
 Yaphank, NY 11980 | Fax: 1-(631)-282-6410

Test Category: NFPA 701 TM1 | Specifier: ACT | NTR 1/16 | LE 2015; V 08/15
 PC: 0.5H | dl/SM

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2015 Edition - Test Method #1 --

As cited by ACT Voluntary Performance Guidelines (January 2015)

PRODUCT CATEGORY: Drapery

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	25.5
2	0	0	26.0
3	0	0	21.6
4	0	0	10.0
5	0	0	32.7
6	0	0	23.1
7	0	0	28.8
8	0	0	34.0
9	0	0	21.6
10	0	0	27.5
	Mean:	0	Mean: 25.1

STATISTICAL VALUES: SD = 6.8 | 3 SD = 20.4 | Mean + 3 SD = 45.4

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

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 169 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 0.835 = oz/yd²



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Client's Identification	Style: Tonix by Kvadrat.					
Tested For: Anna King	Maharam				Key Test: NFPA 701-2015 TM#1/ACT	175
	74 Horseblock Road				Tel: 1-(631)-282-6318	Ext:
	Yaphank, NY 11980				Fax: 1-(631)-282-6410	

NOTE:

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

REMARKS:

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

FAILURE CRITERIA:

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, 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.

** 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.

Phyllis Petrit

AUTHORIZED SIGNATURE

SGS GOVMARK

/mg /jb

JUN 11 2018



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	Tel: 1-(631)-282-6318		Ext:			
	Fax: 1-(631)-282-6410					

** 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.

File Copy

Client Name : Maharam
Addendum to Test Report # : 3-26274-1
Test : NFPA 701

<u>Specimen #</u>	<u>Weight Before Test (g)</u>	<u>Weight After Test (g)</u>	<u>Percent Weight Loss</u>
1	10.20	7.60	25.5
2	10.00	7.40	26.0
3	10.20	8.00	21.6
4	10.00	9.00	10.0
5	10.40	7.00	32.7
6	10.40	8.00	23.1
7	10.40	7.40	28.8
8	10.00	6.60	34.0
9	10.20	8.00	21.6
10	10.20	7.40	27.5

Mean Percent Weight Loss : 25.1
Standard Deviation : 6.8
3 x Standard Deviation : 20.4
Mean + 3 x Standard Deviation : 45.4

JUN 11 2018