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Received: 04/18/2016	Completed: 04/20/2016	Letter: O	AM	P.O.#: P1600444	Test Report #: 3-12874-0-
Client's Identification	Lot#: J61136. Date of Mfg.: 24.11.2015. Style: Decoprint Bi-Night. Composition: 100% Base Polyester Fabric with Acrylic Coating. Weight: 320 g/sq m. (see continuation)				
Tested For: Françoise Mariani or Blaise Humphries			Key Test: NFPA 701-2015 TM#1		225
SENFA 1 Rue De Morat 67601 Selestat - FRANCE			Tel: 011-33 3 88 85 07 55 Fax:		Ext:

CLIENT'S IDENTIFICATION (continuation):

Density: 24 x 20 NM 50/167 Decitex. Thickness: 0.38 mm. End Use: Digital Printing.

LE: 2015 NE: 2019 V: 01/15 NTR 1/16

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	12.4
2	0	0	13.4
3	0	0	10.3
4	0	0	15.2
5	0	0	14.1
6	0	0	12.1
7	0	0	19.4
8	0	0	9.2
9	0	0	11.3
10	0	0	15.6
Mean:		0	Mean: 13.3

STATISTICAL VALUES: SD = 3.0 3 SD = 8.9 Mean + 3 SD = 22.2

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

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 313 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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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 by NFPA 701 - 2015 Edition Test Method #1.

AUTHORIZED SIGNATURE
GOVMARK
/tm

APR 27 2016

Ms. Phyllis Pettit

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**** 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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