

Received: 06/22/2012	Completed: 06/26/2012	Letter: F	rb	P.O.#:	Test Report #:	2-92788-0-
<b>Client's Identification</b>	Style: IQ- IJ-689 Value Premium Backlit FR. Content: 100% Polyester. Finish: White Inkjet Finish. End Use: Digitally Printed Backlit, Indoor Use; Drapery.					
<b>Tested For: Peter Doring</b>	3P InkJet Textiles AG Kleinholzner Weg 14 D-83071 Stephanskirchen/Germany			<b>Key Test: NFPA 701-2010 TM#1</b>	190	
				<b>Tel: 011 49 80 36 90 5152</b>	<b>Ext:</b>	
				<b>Fax: 011 49 80 36 90 5155</b>		

PC: 0.5H DL/jd

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2010 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	22.9
2	0	0	23.2
3	0	0	23.2
4	0	0	22.3
5	0	0	17.9
6	0	0	18.6
7	0	0	24.4
8	0	0	23.9
9	0	0	28.7
10	0	0	21.8
	Mean: 0	Mean: 0	22.7

STATISTICAL VALUES: SD = 3.0 3 SD = 9.0 Mean + 3 SD = 31.7

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

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 255 g/m<sup>2</sup>

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

CONVERSION FACTOR: g/m<sup>2</sup> ÷ 28.35 x .835 = oz/yd<sup>2</sup>

**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 - 2010 Edition Test Method #1

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

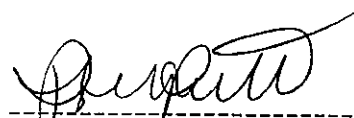
CONCLUSION: Based on the Results on page 1 and the above Failure Criteria cited by NFPA 701 - 2010 Edition Test Method #1, the item tested:

- 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 (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 by NFPA 701 - 2010 Edition Test Method #1.

  
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AUTHORIZED SIGNATURE  
THE GOVMARK ORGANIZATION, INC. /jb  
MS. PHYLLIS PETTIT

JUN 28 2012

Received:06/22/2012	Completed:06/26/2012	Letter: F	rb	P.O.#:	Test Report #:	2-92788-0-
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Tested For: Peter Doring	3P InkJet Textiles AG Kleinholzner Weg 14 D-83071 Stephanskirchen/Germany				Key Test: NFPA 701-2010 TM#1	190
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\*\* DISCUSSION:

Weight Loss - Individual Specimen Failure:

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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.

Client Name : 3P Inkjet Textiles AG  
Addendum to Test Report # : 2-92788-0  
Test : NFPA 701

<u>Specimen #</u>	<u>Weight Before Test ( g )</u>	<u>Weight After Test ( g )</u>	<u>Percent Weight Loss</u>
1	15.70	12.10	22.9
2	15.50	11.90	23.2
3	15.50	11.90	23.2
4	15.70	12.20	22.3
5	15.60	12.80	17.9
6	15.60	12.70	18.6
7	15.60	11.80	24.4
8	15.50	11.80	23.9
9	15.70	11.20	28.7
10	15.60	12.20	21.8

Mean Percent Weight Loss : 22.7  
Standard Deviation : 3.0  
3 x Standard Deviation : 9.0  
Mean + 3 x Standard Deviation : 31.7

Received:06/22/2012 Completed:06/26/2012 Letter: F1 rb P.O.#: Test Report #: 2-92788-1-

Client's Identification Style: IQ- IJ-689 Value Premium Backlit FR. Content: 100% Polyester. Finish: White Inkjet Finish. End Use: Digitally Printed Backlit, Indoor Use; Drapery.

Tested For: **Peter Doring** Key Test: CA 1237 Sm 135  
3P InkJet Textiles AG  
Kleinholzner Weg 14  
D-83071 Stephanskirchen/Germany  
Tel: 011 49 80 36 90 5152 Ext:  
Fax: 011 49 80 36 90 5155

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	3.6
	2	0	0	3.4
	3	0	0	3.1
	4	0	0	3.8
	5	0	0	3.3
	Avg:	0		
Fill:	6	0	0	3.8
	7	0	0	2.9
	8	0	0	2.8
	9	0	0	3.8
	10	0	0	3.7
	Avg:	0		

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 7.6 oz/yd<sup>2</sup>

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/yd<sup>2</sup>.
2. Afterglow is required to be reported; however, it is not factored into the Acceptance Criteria.

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<b>Tested For: Peter Doring</b>	<b>Key Test: CA 1237 Sm</b>				135	
3P InkJet Textiles AG Kleinholzner Weg 14 D-83071 Stephanskirchen/Germany			Tel: 011 49 80 36 90 5152 Ext: Fax: 011 49 80 36 90 5155			

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

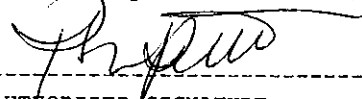
Complies;  Does not comply

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 (Section 1261) 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. This information has been verified current per an April 28, 2010 conversation with the California State Fire Marshall.

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).



JUN 28 2012

AUTHORIZED SIGNATURE

THE GOVMARK ORGANIZATION, INC. /jb jgb

MS. PHYLLIS PETTIT

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# ABERDEEN FABRICS, INC

AMERICAN MADE FABRICS FOR TECHNICAL APPLICATIONS

11548 US Hwy 15-501 South • Aberdeen, NC 28315

Phone: 910-944-0461 • Fax: 910-944-0451

ISO 9001 Certified

## Certificate of Flame Retardance

Issued To: Renze  
6847 N 16<sup>th</sup> St  
Omaha, NE 68112  
Certification Date: 10/06/15  
Style: 6270

This certificate of compliance is issued to verify that Style 6270 has been treated with Class A Fire Retardant and/or has been manufactured with a portion of inherent flame retardant yarns.

Style 6270 is certified to meet NFPA-701 Small Scale.