

Received: 08/21/2009 Completed: 09/01/2009 Letter: W rb P.O.#: Test Report #: 2-80051-0-

**Client's Identification** Sample #2 M14000. Date of Mfg: 2009. Composition: 100% Polyester. Style: Pillow Cover. [Embossed side marked by client as face was exposed to test heat source]

**Tested For: Irene Millette** **Key Test: ASTM E 162** 545  
 Clean Brands, LLC  
 400 Massasoit Avenue, Suite 300  
 East Providence, RI 02914  
**Tel: 1-(401)-427-1374 Ext:**  
**Fax: 1-(401)-223-4845**

PC: 24H+ME

APPROXIMATE THICKNESS OF MATERIAL (as measured by Govmark): 0.002"

TEST PERFORMED: ASTM E 162 - Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source

SPECIMEN PREPARATION: The sample was supplied in flexible form. The test specimens were cut to 10" x 22". Each specimen was wrapped around a 0.5" Etera board (a cement asbestos substitute). The tension applied was sufficient to remove all slack. The face of the fabric test specimen exposed to the heat source measured 6.0" x 18".

BRIEF DESCRIPTION OF TEST: The test specimen faces a radiant heat source. At the beginning of the test period an igniting flame impinges at the top of the specimen. Visual observation is made of the downward progression of the flame front. The heat given off by the burning specimen is automatically recorded. The combination of the two factors, flame front progression and heat, results in a Flame Spread Index.

RESULTS:	Flame Progression (mm:ss)					Net Stack Rise °C	Q	FS	Flame Spread Index	Flaming Dripping, or Flaming Running (yes/no)
	3.0"	6.0"	9.0"	12.0"	15.0"					
Specimen 1	FN	FN	FN	FN	FN	2.4	0.7	1.0	0.7	No
Specimen 2	FN	FN	FN	FN	FN	2.4	0.7	1.0	0.7	No
Specimen 3	FN	FN	FN	FN	FN	7.3	2.1	1.0	2.1	No
Specimen 4	00:22	FN	FN	FN	FN	7.3	2.1	3.7	7.8	No
Avg:									2.8	

ABBREVIATIONS USED:  
 F = Flashed beyond benchmark.  
 FN = Flame front did not reach this benchmark.

CALCULATION FACTORS:  
 Etera board correction factor: 0.15  
 Beta: 19.80

FLUX: 3.88, 2.26, 0.97 (Flux Transducer # 6024)

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REMARKS:

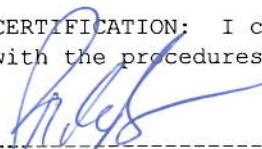
Specimen #	Non Sustained Flame Front Off Gas Ignition (yes/no)	Sustained Flame Front Ignition at (mm:ss)	All Flaming Out (mm:ss)	Test End (mm:ss)	Drips Flame on Test Floor (yes/no)
1	No	0:02	0:29	1:29	No
2	No	0:02	0:30	1:30	No
3	No	0:02	0:33	1:33	No
4	No	0:02	0:38	1:38	No

ABBREVIATIONS WHICH MAY BE USED:  
 DNI = Did not ignite  
 SB = Still burning at test end

ACCEPTANCE CRITERIA: None indicated.

CONCLUSION: Not applicable.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by ASTM E 162.

  
**Robert I. Brown**

AUTHORIZED SIGNATURE  
 THE GOVMARK ORGANIZATION, INC. *rb/mg*

SEP 1 2009

Received:08/21/2009 Completed:08/25/2009 Letter: W1 rb P.O.#: Test Report #: 2-80051-1-

Client's Identification Sample #2 M14000. Date of Mfg: 2009. Composition: 100% Polyester. Style: Pillow Cover. [Embossed side marked by client as face was exposed to test heat source]

Tested For: **Irene Millette** Key Test: ASTM E 662 495  
 Clean Brands, LLC  
 400 Massasoit Avenue, Suite 300 Tel: 1-(401)-427-1374 Ext:  
 East Providence, RI 02914 Fax: 1-(401)-223-4845

PC: 24H+ME

APPROXIMATE THICKNESS OF MATERIAL (as measured by Govmark): 0.002"

TEST PERFORMED: ASTM E 662 - Standard Test Method For Specific Optical Density of Smoke Generated by Solid Materials (NFPA Designation No. 258)

Values reported at 90 seconds and 4 minutes

BRIEF DESCRIPTION OF TEST: The material face (2-9/16" x 2-9/16") is exposed to a radiant heat source of 2.5 watts/cm<sup>2</sup> (non flaming mode) and additionally to 6 flamelets (flaming mode). As smoke accumulates in the test chamber, the percent light obscuration is converted to a smoke density value.

Normally a total of 3 specimens are tested in each mode; however, when there is a wide variation in individual specimen results, a total of 6 specimens are tested.

RESULTS:	Specimen #	Flaming Mode	Flaming Dripping, or Flaming Running (yes/no)	Non Flaming Mode	Flaming Dripping, or Flaming Running (yes/no)
90 Seconds:	1	23	No	4	No
Specific Optical Density	2	5	No	3	No
	3	13	No	6	No
	Avg:	14		Avg: 4	
4 Minutes:	1	21	No	8	No
Specific Optical Density	2	11	No	7	No
	3	19	No	14	No
	Avg:	17		Avg: 10	

NOTE: An asterisk (\*) next to a result indicates that the value is lower than an earlier value as a result of a correction for particle deposits on the glass which is part of the optical system.

REMARKS: None.

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ACCEPTANCE CRITERIA (as per U.S. Government Guidelines for public transportation vehicles):

	Specific Optical Density		Flaming Dripping or Flaming Running
	Flaming Mode	Non Flaming Mode	
At 90 seconds:	100 maximum	100 maximum	Not permitted
At 4 minutes:	200 maximum	200 maximum	Not permitted

CONCLUSION: Based on the above Results and Acceptance Criteria, 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 ASTM E 662 (NFPA Designation No. 258).

  
**Robert I. Brown**

SEP 1 2009

AUTHORIZED SIGNATURE  
 THE GOVMARK ORGANIZATION, INC. /rb/mg

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