

Bogin, Michael

From: Joel Woolsey [JWOOLSEY@jonesedmunds.com]
Sent: Monday, October 18, 2010 11:39 AM
To: Bogin, Michael
Cc: Carol Sawyer; Tobin McKnight
Subject: RE: RAI Comment 49 and Response 49 Regarding Tarpaulin Specifics
Attachments: Fabrene-L257frtestpg2.jpg; Fabrene-L257frtestpg3.jpg; Fabrene-L257frtestpg4.jpg; Fabrene-specL257.jpg; Fabrene-L257frtestpg1.jpg

Michael,

According to the Tarpomatic representative the product used at New River is the Fabrene L257. Attached is information from the manufacturer regarding flammability.

Please let me know if you need anything else.

Thank you.

Joel A. Woolsey
 Project Manager
 Jones Edmunds & Associates, Inc.
 730 NE Waldo Road
 Gainesville, Fl. 32641
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From: Bogin, Michael [mailto:Michael.Bogin@dep.state.fl.us]
Sent: Friday, October 15, 2010 10:53 AM
To: Joel Woolsey
Subject: RE: RAI Comment 49 and Response 49 Regarding Tarpaulin Specifics

Joel,
 I have to specify in the permit the type of the tarp. Therefore, I wanted to verify with you that the Fabrene product G168 tarpaulin is the right material. I know, in the response 49 (December 18, 2009) you wanted to be generic but we have to be more specific.

Michael

From: Joel Woolsey [mailto:JWOOLSEY@jonesedmunds.com]
Sent: Friday, October 15, 2010 10:48 AM
To: Bogin, Michael
Subject: Re: RAI Comment 49 and Response 49 Regarding Tarpaulin Specifics

Yes. We are waiting on the manufacturer to provide the spec. I am a little confused as to why this is an issue? The tarpomatic system including the fabrene tarp has already been approved by FDEP.

 Sent from my BlackBerry Wireless Handheld

From: Bogin, Michael <Michael.Bogin@dep.state.fl.us>
To: Joel Woolsey
Sent: Fri Oct 15 10:43:56 2010
Subject: FW: RAI Comment 49 and Response 49 Regarding Tarpaulin Specifics

Joel,
Has Lydia forwarded this email to you?
Michael

From: Lydia Greene [mailto:lgreene@nrswa.org]
Sent: Thursday, October 14, 2010 2:16 PM
To: Schroer, Jeffrey
Cc: Bogin, Michael
Subject: RE: RAI Comment 49 and Response 49 Regarding Tarpaulin Specifics

*Hi Jeff - I have forwarded your email to Jones Edmunds & Associates for a response.
Please let me know if you have any questions.*

Thanks,

*Lydia Greene
New River Solid Waste Association
386-431-1000
lgreene@nrswa.org*

From: Schroer, Jeffrey [mailto:Jeffrey.Schroer@dep.state.fl.us]
Sent: Thursday, October 14, 2010 9:53 AM
To: lgreene@nrswa.org
Cc: Bogin, Michael
Subject: RAI Comment 49 and Response 49 Regarding Tarpaulin Specifics

Lydia,

Michael Bogin is working on the new permit. He still requires more information regarding the Tarp addressed in the comment and response. His concerns are in regard to ignitability and other required specifications. He still needs to know the specifics of the tarp in the Tarp-o-Matic. Perhaps Perry, Richard or Darrell could provide.

Thanks,

Jeff Schroer
Environmental Specialist I
Florida Department of Environmental Protection (DEP) - NE District
Phone: 904-807-3366

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 Please consider the environment before printing this email.

FABRENE®

INDUSTRIAL SYNTHETIC FABRICS

TYPE L257

Made from high density polyethylene tapes, coated on both sides with low density polyethylene.
Contains a flame retardant additive.

<u>PROPERTY</u>	<u>UNIT</u>		<u>VALUES</u>	<u>TEST METHOD</u>
Construction	Tapes/in	Warp	23.9	ASTM D3775
		Weft	16	
Unit Weight	oz/yd ²		9.4	ASTM D3775
Tensile Grab Strength	lbf	Warp	495	ASTM D1682-64
		Weft	342	
Tear Strength * (tongue)	lbf	Warp	107	ASTM D2261-71
Tear Strength * (tongue)	lbf	Weft	124	ASTM D2261-71
Coating Thickness	mil	Light Yellow	2	ASTM D1777 MOD
	mil	Light Yellow	2	
Mullen Burst Strength	psi		580	ASTM D751-73
Widths	in	up to	144	

* Includes force to shift tapes - Tear may be crosswise to direction of force.

Fabrene® L257 contains some ultraviolet inhibitors.

Suggested Applications: General purpose tarps, Daily Landfill Covers.

NOTE: These values are typical data and are not intended as limiting specifications.

Date: 99/06/07

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**NFPA 701-1989 Large Scale Flame Resistance
of Fabrene® L257 Coated Polyethylene Fabric**

A Report To: *Fabrene Inc.*
P.O. Box 4040, 240 DuPont Road
North Bay, Ontario
P1B 9B4

Attention: Mr. Todd Travis

Submitted By: Fire & Flammability,

Report No. 99-J52-87-3-320(A)
1 page + 1 page appendix

Date: June 23, 1999



Bodycote Ortech Inc.

NFPA 701-1989 Large Scale Flame Resistance of Fabrene® L257 Coated Polyethylene Fabric Page 1 of 1

For: Fabrene Inc.

Report No. 99-J52-87-3-320(A)

ACCREDITATION Standards Council of Canada, Registration #1.**REGISTRATION** ISO 9002-1994, registered by QMI, Registration #001109.**SPECIFICATIONS OF ORDER**

Determine flame resistance in accordance with the NFPA 701-1989 Large Scale Test, as per our quotation approved June 1, 1999 and your P.O. #062364 dated June 4, 1999.

IDENTIFICATION (Bodycote ORTECH Inc. identification number 99-J52-S0320)

Coated woven polyethylene fabric identified as Fabrene® L257.

TEST RESULTS NFPA 701-1989 Large Scale Test


Tested as-received and in single sheet configuration

	Char length (inches)	Afterflame Time (s)	Flaming Drips?
Machine 1:	2.8	0.0	No
2:	2.6	0.0	No
3:	3.0	0.0	No
4:	2.1	0.0	No
5:	2.5	0.0	No
Cross 6:	2.0	0.0	No
7:	2.9	0.0	No
8:	3.1	0.0	No
9:	1.9	0.0	No
10:	<u>2.0</u>	0.0	No
Average:	2.5		
Maxima Specified by NFPA 701 Large Scale Test:	10.0	2.0	No (individual)
	(above tip of flame)		

CONCLUSIONS

When tested in the as-received condition, the coated polyethylene fabric identified in this report meets the flammability requirements of the NFPA 701-1989 Large Scale Test.


R.A. Carleton,
Fire & Flammability.


E.W. Simmons,
Fire & Flammability.

Bodycole Ortech Inc.

NFPA 701-1989 Large Scale Flame Resistance of Fabrene® L257 Coated Polyethylene Fabric

For: Fabrene Inc.

Report No. 99-J52-87-3-320(A)

APPENDIX

(1 Page)

Summary of Test Procedure

Bodycate Ortech Inc.**NFPA 701 - 1989**

Standard Methods of Tests for
Flame-Resistant Textiles and Films

Large Scale Test

For conducting flame tests of fabrics in single sheets, the NFPA 701 Large Scale Test specifies at least ten specimens, 5 inches by 7 feet. The specimens are conditioned at 140 - 145°F for 1 to 1½ hours or, if distortion or melting occurs at these temperatures, 60 - 80°F at 25 - 50% relative humidity for 24 hours.

Each specimen is removed from the conditioning chamber individually, and immediately suspended in a steel stack 12 inches square and 7 feet high, the said stack being open both top and bottom and supported 1 foot above the floor. The lower edge of the specimen is positioned 4 inches above the tip of a gas burner which is inclined at 25° to the vertical. The burner, which has been adjusted to yield a flame 11 inches in height is ignited and inserted directly beneath the specimen for 2 minutes. Char length is measured from the tip of the flame, upwards.

For conducting flame tests of fabrics hung in folds, at least four specimens 25 inches by 7 feet are required. Each specimen is folded longitudinally to form four folds.

Flame Resistance Requirements:

Specimen Configuration	Maximum Char Length or Destroyed Material Length (inches)	Maximum Afterflame Time (s)	Flaming Drips on Floor of Tester?
Single sheets	10	2	No
Folded	35	2	No