



Product & Testing Overview

Mastertent Testing Certification by Product

NFPA 701 6

Standard Methods for Fire Tests for Flame Propagation of Textiles and Films

CPAI-84 Sec.6 12

A Specification for Flame Resistant Materials Used In Camping Tentage

CAN/ULC-S109 22

Standard for Flame Tests of Flame Resistant Fabrics & Films

EN 13501-1:2007 30

Classification of Reaction to Fire Performance in Accordance with EN 13501-1:2007+A1:2009

⚠ **IMPORTANT:** Read all details in this manual before using equipment to ensure proper understanding of warranty coverage and procedures. Keep this manual for future reference.



MASTERTENT USA

1859 Lindbergh Street, Suite 200 Charlotte, NC 28208 sales.usa@mastertent.com · 704.312.1600 www.mastertent.com

Product & Testing Overview Mastertent Testing Certifications by Product

Our top quality Oxford Polyester and PVC fabrics receive fire-retardant treatments to ensure compliance with fire industry standards for public safety, in North America.

NFPA 701: 250D Polyester, 500D Polyester, 400g PVC

Standard Methods for Fire Tests for Flame Propagation of Textiles and Films

CPAI-84 Sec.6: 250D Polyester, 500D Polyester, 400g PVC

A Specification for Flame Resistant Materials Used In Camping Tentage

CAN/ULC-S109: 250D Polyester, 500D Polyester, 400g PVC

Standard for Flame Tests of Flame Resistant Fabrics & Films

EN 13501-1:2007: 250D Polyester, 500D Polyester, 400g PVC

Classification of Reaction to Fire Performance in Accordance with EN 13501-1:2007+A1:2009

Mastertent Products by Fabric Material

500D Polyester

Canopy Tents:

· Series 1 Roofs

250D Polyester

Canopy Tents:

- · Series 1 Sidewalls
- · Series 2 Roofs
- · Series 2 Sidewalls

Accessories:

- · Corner Curtains
- · Attachable Valance
- · Double-Sided Flags & Banners

400g PVC

Canopy Tents:

- Upgraded Roofs
- Upgraded Sidewalls
- · Rescue Sidewall Base
 - Transport Bag

Pavilions:

Pavilion Roofs

Accessories:

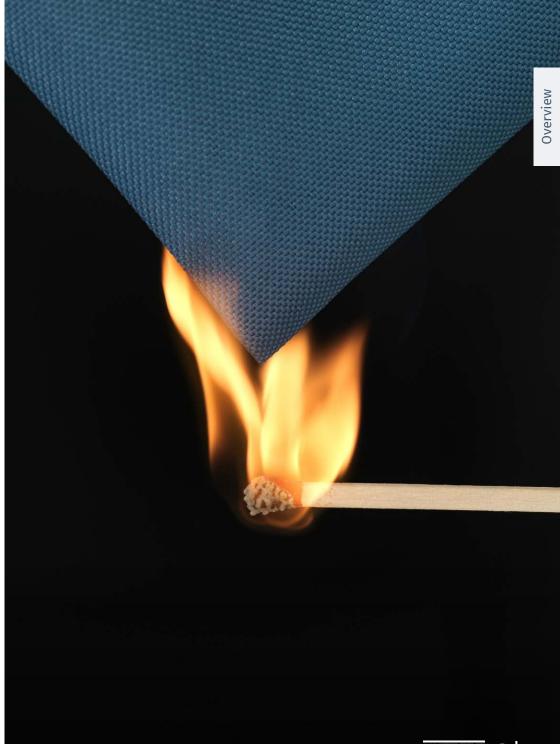
· Rain Gutter

Please contact our team with any questions.





704.312.1600 sales.usa@mastertent.com



NFPA 701
Standard Methods
for Fire Tests for
Flame Propagation
of Textiles and Films

NFPA 701

250D Polyester

DIVERSIFIED TESTING LABORATORIES, INC.

WORLDWIDE SERVICE

336 WEST FRONT STREET P.O. BOX 4004 BURLINGTON, NORTH CAROLINA 27215 PHONE (336) 227-7710 • FAX (336) 227-1175 www.diversifiedtestinglabs.com

June 18, 2018

MASTERTENT USA, INC. 1859 Lindbergh Street, Suite 200 Charlotte, NC 28208

Reference: Laboratory Test Report

Lab Identification No. 30751

Invoice No. 62145

Dear Mastertent:

One (1) fabric sample, identified as POLYESTER OXFORD 250X250D, was received and tested in accordance with the National Fire Protection Association No. 701, "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2015 Edition, (Test 2, Large Scale)". The results are as follows:

"We Test Per Your Request"-

TEST RESULTS - FOLDS

Specimen Number	After Flame (seconds)	Residual Flame (seconds)	Char Length (inches)
1	0.0	0.0	12.5
2	0.0	0.0	12.5
3	0.0	0.0	11.0
4	0.0	0.0	12.0

The sample submitted **meets** the minimum requirements of the above standard. The length of char on the individual folded specimens shall not exceed 41.3 inches. Additionally, no specimen shall continue flaming for more than two (2) seconds after the test flame is removed and no residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely

Brian S. Dement

OUR LETTERS AND REPORTS ARE FOR THE EXCLUSIVE USE OF THE CLIENT TO WHOM THEY ARE ADDRESSED. ANY COMMUNICATION TO OTHERS OR THE USE OF OUR COMPANY NAME MUST RECEIVE PRIOR APPROVAL OUR TEST RESULTS APPLY ONLY TO THE SAMPLE TISTED AND ARE NOT NECESSABLY NIDICATIVE OF THE QUALITIES OF APPARENTLY IDENTICAL OR SIMILAR PRODUCTS. SAMPLES NOT DESTROYED IN TESTING ARE RETAINED A MAXIMAN OF THEIR YOR ST. THE LETTERS, REPORTS OR NAME OF DYNESTED TISTED LANGBRORGHESIS. WHO THE LEED BY A PROPERTY OF THE LETTERS, REPORTS OR NAME OF DYNESTED TISTED LANGBRORGHESIS. WHO THE LEED BY A PROPERTY OF THE LETTERS, REPORTS OR NAME OF DYNESTED TISTED LANGBRORGHESIS. WHO THE LEED BY A PROPERTY OF THE LETTERS, REPORTS OR NAME OF DYNESTED TISTED LANGBRORGHESIS OF THE LEED BY A PROPERTY OF THE LETTERS, REPORTS OR NAME OF DYNESTED TISTED LANGBRORGHESIS OF THE LEED BY A PROPERTY OF THE LETTERS, REPORTS OR NAME OF DYNESTED TISTED LANGBRORGHESIS OF THE LESTED REPORTS.

NFPA 701

500D Polyester



DIVERSIFIED TESTING LABORATORIES, INC.

WORLDWIDE SERVICE

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June 18, 2018

MASTERTENT USA, INC. 1859 Lindbergh Street, Suite 200 Charlotte, NC 28208

Reference: Laboratory Test Report

Lab Identification No. 30751 Invoice No. 62145

Dear Mastertent:

One (1) fabric sample, identified as POLYESTER OXFORD 500X500D, was received and tested in accordance with the National Fire Protection Association No. 701, "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2015 Edition, (Test 2, Large Scale)". The results are as follows:

TEST RESULTS - FOLDS

Specimen Number	After Flame (seconds)	Residual Flame (seconds)	Char Length (inches)
1	0.0	0.0	12.5
2	0.0	0.0	12.0
3	0.0	0.0	11.5
4	0.0	0.0	12.0

The sample submitted \boldsymbol{meets} the minimum requirements of the above standard. The length of char on the individual folded specimens shall not exceed 41.3 inches. Additionally, no specimen shall continue flaming for more than two (2) seconds after the test flame is removed and no residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely

Brian S. Dement



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NFPA 701

400g PVC



DIVERSIFIED TESTING LABORATORIES, INC.

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"We Test Per Your Request"

336 WEST FRONT STREET PO. BOX 4004 BURLINGTON, NORTH CAROLINA 27215 PHONE (336) 227-7710 • FAX (336) 227-1175 www.diversifiedtestinglabs.com

June 18, 2018

MASTERTENT USA, INC. 1859 Lindbergh Street, Suite 200 Charlotte, NC 28208

Reference: Laboratory Test Report Lab Identification No. 30751

Lab Identification No. 3075 Invoice No. 62145

Dear Mastertent:

One (1) fabric sample, identified as **PVC FABRIC, LAMINATED 400 GR/M²**, was received and tested in accordance with the National Fire Protection Association No. 701, "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2015 Edition, (Test 2, Large Scale)". The results are as follows:

TEST RESULTS - FOLDS

Specimen Number	After Flame (seconds)	Residual Flame (seconds)	Char Length (inches)
1	0.0	0.0	19.0
2	0.0	0.0	17.5
3	0.0	0.0	18.0
4	0.0	0.0	19.0

The sample submitted **meets** the minimum requirements of the above standard. The length of char on the individual folded specimens shall not exceed 41.3 inches. Additionally, no specimen shall continue flaming for more than two (2) seconds after the test flame is removed and no residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Bria Dement

Brian S. Dement

BSD/mi



CPAI-84 Sec.6
A Specification for Flame Resistant
Materials Used
In Camping Tentage

15

CPAI-84 Sec. 6

250D Polyester, Page 1 of 2

DIVERSIFIED TESTING LABORATORIES, INC. WORLDWIDE SERVICE 338 WEST FRONT STREET P.O. BOX 4004 BURLINGTON, NORTH CAROLINA 27215 PHONE (336) 227-7710 - FAX (336) 227-175 www.diversifiedtestinglabs.com

June 18, 2018

MASTERTENT USA, INC. 1859 Lindbergh Street, Suite 200 Charlotte, NC 28208

Reference: Laboratory Test Report

Lab Identification No. 30751 Invoice No. 62145

Dear Mastertent:

Attached are the test results on one (1) fabric sample, identified as POLYESTER OXFORD 250X250D. The sample was received and tested in accordance with CPAI 84, "A Specification for Flame Resistant Materials Used In Camping Tentage," Section 6, Wall and Top Material.

Per the above test procedure, the sample was tested in its original state, after 72 hours of leaching and after 100 standard hours of accelerated weathering.

The sample submitted **meets** the minimum requirements of the above standard. When the untreated weight of the sample is over 4.0 oz/sq, yd, but not over 6.0 oz/sq, yd., the maximum average char length may not exceed 7.5 inches, with no individual specimen exceeding 10.0 inches. Additionally, the average afterflame may not exceed 2.0 seconds with no individual value exceeding 4.0 seconds and there may be no residual flame on any of the specimens tested.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely

Brian S. Dement

BSD/mr



OUR LETTERS AND REPORTS ARE FOR THE EXCLUSIVE USE OF THE CLIENT TO WHOM THEY ARE ADDRESSED, ANY COMMUNICATION TO OTHERS OR THE USE OF OUR COMPANY NAME MUST RECEIVE PRIOR APPROVAL OUR TEST RESULTS APPLY ONLY TO THE SAMPLE TESTED AND ARE NOT INCESSABLE! YIDICATIVE OF THE QUALITIES OF APPRAINTLY IDENTICAL OR SHALLAR PRODUCTS SAMPLES NOT DESTROYED INTESTING ARE RETAINED A MAXIMAM OF THEIRY DAYS FOR A WARD OF THE OFFICE AND APPLY AND A THEIR CONTRACTOR SEN, CMM ANY OF THEIRY DAYS FOR A THEIR CONTRACTOR SEN, CMM ANY OF THEIR OTHER APPLIES.

CPAI-84 Sec. 6

250D Polyester, Page 2 of 2



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TESTING LABORATORIES, INC.

- "We Test Per Your Request"

336 WEST FRONT STREET P.O. BOX 4004

P.O. BOX 4004 BURLINGTON, NORTH CAROLINA 27215 PHONE (336) 227-7710 • FAX (336) 227-1175 www.diversifiedtestinglabs.com

Lab Identification No. 30751

Specimen Number

Page 2

Test Procedur

CPAI 84, "A Specification for Flame Resistant Materials Used in Camping

Tentage," Section 6, Wall and Top Material

Sample Identification: POLYESTER OXFORD 250X250D

ORIGINAL STATE

	Test I				
After Fla	me (sec)	Residual F	lame (sec)	Char Lei	ngth (in)
<u>Length</u>	Width	Length	Width	Length	Width
0.0	0.0	0.0	0.0	4.8	5.0
0.0	0.0	0.0	0.0	5.3	5.3
0.0	0.0	0.0	0.0	5.4	4.3
0.0	0.0	0.0	0.0	5.2	4.2

AFTER LEACHING

Test Results						
Specimen Number	After Flame (sec)		Residual Flame (sec)		Char Length (in)	
	Length	Width	Length	Width	Length	Width
1	0.0	0.0	0.0	0.0	4.3	4.9
2	0.0	0.0	0.0	0.0	4.8	5.0
3	0.0	0.0	0.0	0.0	4.6	5.0
4	0.0	0.0	0.0	0.0	4.1	4.2
Ava	0.0					6

AFTER ACCELERATED WEATHERING

Test Results						
Specimen Number	After Flame (sec)		Residual F	lame (sec)	Char Length (in)	
	Length	Width	Length	Width	Length	Width
1	0.0	0.0	0.0	0.0	3.8	4.7
2	0.0	0.0	0.0	0.0	5.4	4.4
3	0.0	0.0	0.0	0.0	4.1	4.2
4	0.0	0.0	0.0	0.0	4.5	4.3
Avg.	0.0				4.	.4

CONCLUSION: PASS

JUR LETTERS AND REPORTS ARE FOR THE EXCLUSIVE USE OF THE CLIENT TO WHOM THEY ARE ADDRESSED. ANY COMMUNICATION TO OTHERS OR THE USE OF OUR COMPANY NAME MUST RECEIVE PRIOR UPPROVAL OUR TEST RESULTS APPLY ONLY TO THE SAMPLE TISTED AND ARE NOT INCESSARILY INDICATIVE OF THE QUALITIES OF APPRIENTLY IDENTICAL OR SEMILAR PRODUCTS SAMPLES NOT DESTROYED INTENTION, ARE RETAINED A MAXIMAND OF HIRTY DAYS THE LETTERS, REPORTS OR NAME OF POWER PER TOTAL OF THE CHARGE OF THE

CPAI-84 Sec. 6

500D Polyester, Page 1 of 2

DIVERSIFIED TESTING LABORATORIES, INC. WORLDWIDE SERVICE "We Test Per Your Request"-336 WEST FRONT STREET P.O. BOX 4004 BURLINGTON, NORTH CAROLINA 27215 PHONE (336) 227-7710 • FAX (336) 227-1175 www.diversifiedtestinglabs.com

July 24, 2018

MASTERTENT USA, INC. 1859 Lindbergh Street, Suite 200 Charlotte, NC 28208

Reference: Laboratory Test Report

Lab Identification No. 31424 Invoice No. 62687

Attached are the test results on one (1) fabric sample, identified as POLYESTER OXFORD 500X500D. The sample was received and tested in accordance with CPAI 84, "A Specification for Flame Resistant Materials Used In Camping Tentage," Section 6, Wall and Top Material.

Per the above test procedure, the sample was tested in its original state, after 72 hours of leaching and after 100 standard hours of accelerated weathering.

The sample submitted meets the minimum requirements of the above standard. When the untreated weight of the sample is over 6.0 oz./sq. yd. but not over 8.0 oz./sq. yd., the maximum average char length may not exceed 6.5 inches, with no individual specimen exceeding 10.0 inches. Additionally, the average afterflame may not exceed 2.0 seconds with no individual value exceeding 4.0 seconds and there may be no residual flame on any of the specimens tested.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely

Brian S. Dement

BSD/mr



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CPAI-84 Sec. 6

500D Polyester, Page 2 of 2



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TESTING LABORATORIES, INC. WORLDWIDE SERVICE

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336 WEST FRONT STREET P.O. BOX 4004

BURLINGTON, NORTH CAROLINA 27215 PHONE (336) 227-7710 • FAX (336) 227-1175 www.diversifiedtestinglabs.com

Lab Identification No. 31424

Specimen Number

CPAI 84, "A Specification for Flame Resistant Materials Used in Camping

Tentage," Section 6, Wall and Top Material

0.0

Sample Identification: POLYESTER OXFORD 500X500D

ORIGINAL STATE

	16301	teauita			
After Fla	me (sec)	Residual F	lame (sec)	Char Le	ngth (in)
Length	Width	Length	Width	Length	Width
0.0	0.0	0.0	0.0	4.2	3.9
0.0	0.0	0.0	0.0	3.4	4.0
0.0	0.0	0.0	0.0	4.1	4.3
0.0	0.0	0.0	0.0	3.7	3.4

AFTER LEACHING

Test Results						
Specimen Number	After Flame (sec)		Residual Flame (sec)		Char Length (in)	
	Length	Width	Length	Width	Length	Width
1	0.0	0.0	0.0	0.0	3.5	3.2
2	0.0	0.0	0.0	0.0	3.5	2.8
3	0.0	0.0	0.0	0.0	3.0	3.0
4	0.0	0.0	0.0	0.0	2.9	3.4
Ava	0.0				- 2	2

AFTER ACCELERATED WEATHERING

rest results						
Specimen Number	After Flame (sec)		Residual F	lame (sec)	Char Length (in)	
	Length	Width	Length	Width	Length	Width
1	0.0	0.0	0.0	0.0	4.6	3.4
2	0.0	0.0	0.0	0.0	5.1	3.0
3	0.0	0.0	0.0	0.0	3.5	5.3
4	0.0	0.0	0.0	0.0	3.6	4.3
Avg.	0.0				4.	.1

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CONCLUSION: PASS

JUR LETTERS AND REPORTS ARE FOR THE EXCLISIVE USE OF THE CLIENT TO WHOM THEY ARE ADDRESSED. ANY COMMUNICATION TO OTHERS OR THE USE OF OUR COMPANY NAME MUST RECEIVE PRIOR APPROVAL OUR TEST RESULTS APPLY ONLY TO THE SAMPLE TISTED AND ARE NOT NECESSABLY INDICATIVE OF THE QUALITIES OF APPARENTLY IDENTICAL OR SIMILAR PRODUCTS. SAMPLES NOT DESTROYED NITSTING ARE RETAINED A MAXIMUM OF THIRTY PARK THE LETTERS, REPORTS OR NAME OF PRIVISEPED TISTING LAGORATORIES, INC. WHO BE USED IN ADVERTISENT OF THE GRADEAL PUBLIC.

CPAI-84 Sec. 6

400g PVC Roofs & Sidewalls, Page 1 of 2

DIVERSIFIED TESTING LABORATORIES, INC. WORLDWIDE SERVICE "We Test Per Your Request" 336 WEST FRONT STREET P.O. BOX 4004 BURLINGTON, NORTH CAROLINA 27215 PHONE (336) 227-7170 - FAX (336) 227-1175 www.diversifiedtestinglabs.com

July 24, 2018

MASTERTENT USA, INC. 1859 Lindbergh Street, Suite 200 Charlotte, NC 28208

Reference: Laboratory Test Report

Lab Identification No. 31424 Invoice No. 62687

Dear Mastertent:

Attached are the test results on one (1) fabric sample, identified as POLYESTER OXFORD 500X500D. The sample was received and tested in accordance with CPAI 84, "A Specification for Flame Resistant Materials Used In Camping Tentage," Section 6, Wall and Top Material.

Per the above test procedure, the sample was tested in its original state, after 72 hours of leaching and after 100 standard hours of accelerated weathering.

The sample submitted **meets** the minimum requirements of the above standard. When the untreated weight of the sample is over 6.0 oz/sq, yd, but not over 8.0 oz/sq, yd,, the maximum average char length may not exceed 6.5 inches, with no individual specimen exceeding10.0 inches. Additionally, the average afterflame may not exceed 2.0 seconds with no individual value exceeding 4.0 seconds and there may be no residual flame on any of the specimens tested.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

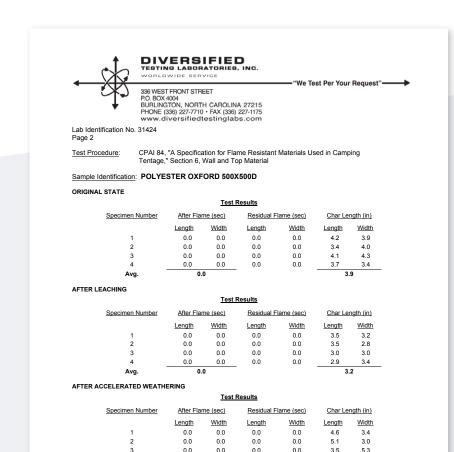
BSD/mr



OUR LETTERS AND REPORTS ARE FOR THE EXCLUSIVE USE OF THE CLEENT TO WHOM THEY ARE ADDRESSED. ANY COMMUNICATION TO OTHERS OR THE USE OF OUR COMPANY NAME MUST RECEIVE PROD APPROVAL OUR TEST RESULTS APPLY ONLY TO THE SAMPLE TESTED AND ARE NOT NECESSARILY INDICATIVE OF THE QUALITIES OF APPARENTLY IDENTICAL OR RESIDENTAL APPROVED. AND APPARENTLY DEDITED THE GENERAL PUBLIC. IN TESTIFICA ARE ENABLED A MAXIMUM OF THEIR YEARY. THE LETTERS, PEOPORTS OR MADE OF DIVERSIFIED TESTING LABORATORIES, INC. MAY NOT BE USED IN ADVERTISING TO THE GENERAL PUBLIC.

CPAI-84 Sec. 6

400g PVC Roofs & Sidewalls, Page 2 of 2



CONCLUSION: PASS

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Avg.

CPAI-84 Sec. 6

400g PVC Floors, Page 1 of 2



MASTERTENT USA, INC. 1859 Lindbergh Street, Suite 200 Charlotte, NC 28208

Reference: Laboratory Test Report

Lab Identification No. 30751 Invoice No. 62145

Dear Mastertent:

Attached are the test results on one (1) fabric sample, identified as PVC FABRIC, LAMINATED 400 GR/M². The sample was received and tested in accordance with CPAI 84, "A Specification For Flame Resistant Materials Used In Camping Tentage," Section 5, Flooring Material.

Per the above test procedure, the sample was tested in its original state, after 72 hours of leaching and after 100 standard hours of accelerated weathering.

The sample submitted meets the minimum requirements of the above standard. No specimen shall be damaged to within 25 mm of the specimen holder.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

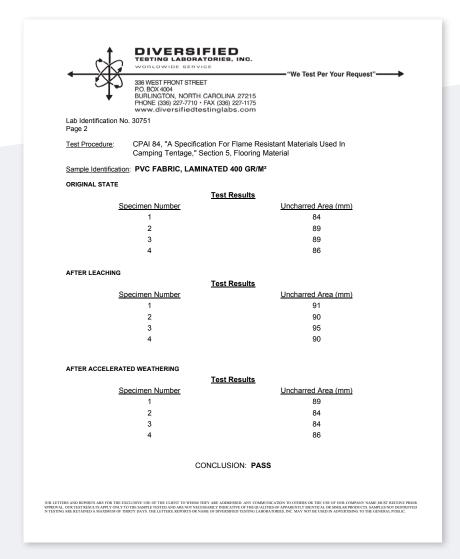
BSD/mr



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CPAI-84 Sec. 6

400g PVC Floors, Page 2 of 2



CAN/ULC-S109-14
Standard for
Flame Tests of
Flame Resistant
Fabrics & Films

25

CAN/ULC-S109-14

250D Polyester, Page 1 of 2

DIVERSIFIED TESTING LABORATORIES, INC.

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336 WEST FRONT STREET P.O. BOX 4004 BURLINGTON, NORTH CAROLINA 27215 PHONE (336) 227-7710 • FAX (336) 227-1175 www.diversifiedtestinglabs.com

December 20, 2018

MASTERTENT USA, INC. 1859 Lindbergh Street, Suite 200 Charlotte, NC 28208

Reference: Laboratory Test Report

Lab Identification No. 33569

Invoice No. 64779

Dear Mastertent:

One (1) fabric sample, identified as 250D POLYESTER, was received and tested in accordance with CAN/ULC-S109-14, "Standard for Flame Tests of Flame-Resistant Fabrics and Films", Small-Flame Test. The results are as follows:

Specimen Number	Test Re Residual Fi		Damaged Length (mm)		
	Warp	Fill	Warp	Fill	
1	0.0	0.0	127	130	
2	0.0	0.0	142	124	
3	0.0	0.0	114	124	
4	0.0	0.0	122	137	
5	0.0	0.0	137	155	
Aug			12	11	

The fabric sample submitted meets the minimum requirements of the Small-Flame Test. The maximum average damaged length shall not exceed 165 millimeters and the maximum damaged length for any individual specimen shall not exceed 190 millimeters. No residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

If there are any questions or when we can be of further assistance, please let us know.

Brian S. Dement

BSD/mr



CAN/ULC-S109-14

250D Polyester, Page 2 of 2



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TESTING LABORATORIES, INC. WORLDWIDE SERVICE

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December 20, 2018

MASTERTENT USA. INC. 1859 Lindbergh Street, Suite 200 Charlotte, NC 28208

Reference: Laboratory Test Report Lab Identification No. 33569 Invoice No. 64779

Dear Mastertent:

One (1) fabric sample, identified as 250D POLYESTER, was received and tested in accordance with CAN/ULC-S109-14, "Standard for Flame Tests of Flame-Resistant Fabrics and Films", Large-Flame Test. The results are

Specimen	Number	Residual Flame (Seconds)	Char Length (Millimeters)
Length	1	0.0	76
Length	2	0.0	64
Width	1	0.0	51
\\/idth	2	0.0	64

The fabric sample submitted meets the minimum requirements of the Large-Flame Test. The length of char on the individual folded specimens shall not exceed 635 millimeters. No residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely

Brian S. Dement



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CAN/ULC-S109-14

500D Polyester, Page 1 of 2



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"We Test Per Your Request"—

336 WEST FRONT STREET P.O. BOX 4004 BURLINGTON, NORTH CAROLINA 27215 PHONE (336) 227-7710 • FAX (336) 227-1175 www.diversifiedtestinglabs.com

August 21, 2018

MASTERTENT USA, INC. 1859 Lindbergh Street, Suite 200 Charlotte, NC 28208

Reference: Laboratory Test Report

Lab Identification No. 31956

Invoice No. 63106

Dear Mastertent:

One (1) fabric sample, identified as POLYESTER OXFORD 500X500D, was received and tested in accordance with CAN/ULC-S109-14, "Standard for Flame Tests of Flame-Resistant Fabrics and Films", Small-Flame Test. The results are as follows:

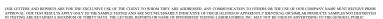
	Test R	<u>esults</u>			
Specimen Number	Residual Fl	lame (sec)	Damaged Length (mm)		
	Warp	<u>Fill</u>	Warp	<u>Fill</u>	
1	0.0	0.0	114	79	
2	0.0	0.0	89	102	
3	0.0	0.0	119	102	
4	0.0	0.0	114	94	
5	0.0	0.0	102	89	
Avg.			100		

The fabric sample submitted meets the minimum requirements of the Small-Flame Test. The maximum average damaged length shall not exceed 165 millimeters and the maximum damaged length for any individual specimen shall not exceed 190 millimeters. No residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

If there are any questions or when we can be of further assistance, please let us know.

Brian S. Dement

BSD/mr



CAN/ULC-S109-14

500D Polyester, Page 2 of 2



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August 21, 2018

MASTERTENT USA, INC. 1859 Lindbergh Street, Suite 200 Charlotte, NC 28208

Reference: Laboratory Test Report Lab Identification No. 31956 Invoice No. 63106

Dear Mastertent:

One (1) fabric sample, identified as POLYESTER OXFORD 500X500D, was received and tested in accordance with CAN/ULC-S109-14, "Standard for Flame Tests of Flame-Resistant Fabrics and Films", Large-Flame Test. The results are as follows:

Specimen	Number	Residual Flame (Seconds)	Char Length (Millimeters)
Length	1	0.0	140
Length	2	0.0	51
Width	1	0.0	89
Width	2	0.0	102

The fabric sample submitted meets the minimum requirements of the Large-Flame Test. The length of char on the individual folded specimens shall not exceed 635 millimeters. No residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

If there are any questions or when we can be of further assistance, please let us know.

Brian S. Dement



JUR LETTERS AND REPORTS ARE FOR THE EXCLISIVE USE OF THE CLIENT TO WHOM THEY ARE ADDRESSED. ANY COMMUNICATION TO OTHERS OR THE USE OF OUR COMPANY NAME MILIT RECEIVE PRIOR APPROVAL OUR TEST RESULTS APPLY ONLY TO THE SAMPLE TISTED AND ARE NOT NECESSABLY NIDICATIVE OF THE QUALITIES OF APPARENTLY IDENTICAL OR SMILLAR PRODUCTS. SAMPLES NOT DESTROYED NITSHING ARE RETAINED A MAXIMUM OF THIRTY PARK THE LETTERS, REPORTS OR NAME OF PRIVISEPED TISTING LAGORATORIES, INC. WHO BE USED IN ADVISTING TO THE GOVERNMENT OF THE GO

CAN/ULC-S109-14

400g PVC, Page 1 of 2

DIVERSIFIED TESTING LABORATORIES, INC.

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P.O. BOX 4004 BURLINGTON, NORTH CAROLINA 27215 PHONE (336) 227-7710 • FAX (336) 227-1175 www.diversifiedtestinglabs.com

December 20, 2018

MASTERTENT USA, INC. 1859 Lindbergh Street, Suite 200 Charlotte, NC 28208

Reference: Laboratory Test Report

Lab Identification No. 33569

Invoice No. 64779

Dear Mastertent:

One (1) fabric sample, identified as 400G PVC, was received and tested in accordance with CAN/ULC-S109-14. "Standard for Flame Tests of Flame-Resistant Fabrics and Films" Small-Flame Test. The results are as follows:

	Test R	esults		
Specimen Number	Residual Fl	ame (sec)	Damaged Le	ength (mm)
	Warp	Fill	Warp	Fill
1	0.0	0.0	109	160
2	0.0	0.0	135	145
3	0.0	0.0	124	140
4	0.0	0.0	137	160
5	0.0	0.0	132	165
Ava.			14	1

The fabric sample submitted meets the minimum requirements of the Small-Flame Test. The maximum average damaged length shall not exceed 165 millimeters and the maximum damaged length for any individual specimen shall not exceed 190 millimeters. No residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely

Brian S. Dement

BSD/mr



OUR LETTERS AND REPORTS ARE FOR THE EXCLUSIVE USE OF THE CLIENT TO WHOM THEY ARE ADDRESSED. ANY COMMUNICATION TO OTHERS OR THE USE OF OUR COMPANY NAME MIST RECEIVE PRIOR APPROVAL OUR TEST REPUTS APPLY ONLY TO THE SAMPLE TESTED AND ARE NOT NECESSABLY INDICATIVE OF THE QUALITIES OF APPRAINTLY DIDNITICAL OR SHAILAR PRODUCTS SAMPLES NOT DESTROYED INTESTING ARE RETAINED A MAXIMAM OF HIRITY DAYS THE LETTERS, PROPRIED TESTED AS LOADER ADDRESS IN COMPANY OF HIRITY DAYS THE LETTERS, PROPRIED TESTED AS LOADER ADDRESS IN COMPANY OF THE CHECKED APPLIED THE OTHER CAPACITY.

CAN/ULC-S109-14

400g PVC, Page 2 of 2



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December 20, 2018

MASTERTENT USA, INC. 1859 Lindbergh Street, Suite 200 Charlotte, NC 28208

Reference: Laboratory Test Report Lab Identification No. 33569 Invoice No. 64779

Dear Mastertent:

One (1) fabric sample, identified as 400G PVC, was received and tested in accordance with CAN/ULC-S109-14, "Standard for Flame Tests of Flame-Resistant Fabrics and Films", Large-Flame Test. The results are as follows:

Specimen	Number	Residual Flame (Seconds)	Char Length (Millimeters)
Length	1	>30.0	813
Length	2	0.0	648
Width	1	0.0	381
Width	2	>30.0	445

The fabric sample submitted does not meet the minimum requirements of the Large-Flame Test. The length of char on the individual folded specimens shall not exceed 635 millimeters. No residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely

Brian S. Dement

BSD/mr



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EN 13501-1:2007 Classification of Reaction to Fire Performance in Accordance with EN 13501-1:2007+A1:2009

EN 13501-1:2007

250D Polyester, Page 1 of 5



EN 13501-1:2007

250D Polyester, Page 2 of 5



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CLASSIFICATION

1. INTRODUCTION

This classification report defines the classification assigned to fabric, type LKR056300 - Polyester Oxford 250x250D in accordance with the procedures given in BN 133011-12007-41:2009.

2. DETAILS OF CLASSIFIED PRODUCT

2.1. GENERAL

The product, fabric, type LKR056300 - Polyester Oxford 250x250D, will be used as fabric for tents.

2.2. PRODUCT DESCRIPTION

The product is composed of: Polyester fabric, FR grade, designated *LKR056300 - Polyester Oxford 250x250D* Surface density approx. 0.15 kg/m².

2.3. MANUFACTURER/IMPORTER

Zingerle Metal GmbH Industriezone 103 39040 Natz/Schabs Italy

3. STANDARDS, REPORTS, RESULTS AND CRITERIA IN SUPPORT OF THIS CLASSIFICATION

3.1. REPORTS

Name of Laboratories	Name of sponsor	Report ref. no.	Test method
Efectis Nederland BV	Zingerle Metal GmbH	2013-Efectis-R0497a	EN ISO 11925-2:2010
The Netherlands	Italy	2013-Efectis-R0497b	EN 13823:2010

This report consists of five pages and may only be used in its entirety.

Page 2 / 5

EN 13501-1:2007

250D Polyester, Page 3 of 5

efectis CLASSIFICATION 3.2. TEST RESULTS Results Continuous Compliance parameter - with Test method and test number parameters EN-ISO 11925-2 F_s ≤150 mm surface flame Ignition of filter impingement Compliant paper F_s ≤150 mm Ignition of filter Edge flame impingement Compliant EN 13823 FIGRAO.2MJ [W/s] FIGRAO.4MJ [W/s] 0.0 THR600s LFS < edge 0.3 Compliant [m2/s2] SMOGRA TSP600s [m2] 60 Flaming debris flaming ≤ 10 s flaming > 10 s Compliant 3.3. CLASSIFICATION CRITERIA Fire classification of construction products and building elements Excluding floorings and linear pipe thermal insulation products Classification criteria Test method(s) FIGRA ≤ 250 W/s LFS < edge of specimen $THR_{600s} \le 7,5 \text{ MJ}$ $F_s \le 150 \text{ mm}$ within 60 s LFS < edge of specimen THR_{600s} ≤ 15 MJ Ignition of the paper in EN ISO 11925-2 results in a d2 classification. Exposure = 30 s Igni Additional classification Smoke production $s1 = SMOGRA \le 30 \text{ m}^2/\text{s}^2 \text{ and } TSP_{600c} \le 50 \text{ m}^2;$ $s2 = SMOGRA \le 180 \text{ m}^2/\text{s}^2 \text{ and } TSP_{600c} \le 200 \text{ m}^2;$ s3 = not s1 or s2 Flaming Droplets/particles d0 = no flaming droplets/particles in EN 13823 within 600 s; no flaming droplets/particles persisting longer than 10 s in EN 13823 within 600 s; d0 = no flaming droplets/particles in EN 13823 within 600 s; d2 = not d0 or d1. This report consists of five pages and may only be used in its entirety. Page 3/5

EN 13501-1:2007

250D Polyester, Page 4 of 5



EN 13501-1:2007

250D Polyester, Page 5 of 5



EN 13501-1:2007

500D Polyester, Page 1 of 5



EN 13501-1:2007

500D Polyester, Page 2 of 5



EN 13501-1:2007

500D Polyester, Page 3 of 5

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EN 13501-1:2007

500D Polyester, Page 4 of 5



EN 13501-1:2007

500D Polyester, Page 5 of 5



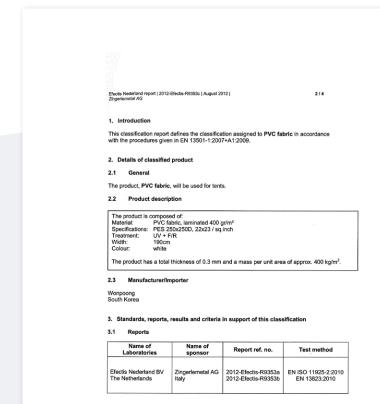
EN 13501-1:2007

400g PVC, Page 1 of 4

🚵 efectis CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2007+A1:2009 Zingerlemetal AG Förche 7 I-39040 Natz / Schabs (BZ) Efectis Nederland BV Lange Kleiweg 5 P.O. Box 1090 Prepared by NL-2280 CB RIJSWIJK The Netherlands Notified Body no. 1234 PVC fabric Product name Classification report no 2012-Efectis-R9353c Issue number August 2012 Date of issue This classification report consists of four pages and may only be used in its entirety.

EN 13501-1:2007

400g PVC, Page 2 of 4



EN 13501-1:2007

400g PVC, Page 3 of 4

Efectis Nederland report | 2012-Efectis-R9353c | August 2012 | Zingerlemetal AG

3/4

3.2 Test results

		No. tests	Results	
Test method and test number	Parameter		Continuous parameter – mean (m)	Compliance with parameters
EN-ISO 11925-2				
surface flame	Fs ≤150 mm [mm]	6	95	-
impingement	Ignition of filter paper	1 6	-	Compliant
edge flame	Fs ≤150 mm [mm]	6	86	-
impingement Ignition of filter paper	-	Compliant		
EN 13823	-			
	FIGRA _{0.2MJ} [W/s]	3	14	-
	FIGRA _{0.4MJ} [W/s]		0	-
	THR _{600s} [MJ]		0,5	-
	LFS < edge		-	Compliant
PVC fabric	SMOGRA [m ² /s ²]		123	-
	TSP _{600s} [m ²]		142	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		-	Compliant Compliant

3.3 Classification criteria

	Classification criteria of the		urning Item (SBI) test
Class	Fire	Class	Smoke
A2	FIGRA _{0.2 MJ} ≤ 120 W/s LFS < edge of the long wing specimen THR _{800s} ≤ 7,5 MJ	s1	SMOGRA ≤ 30 m ² /s ² TSP _{600s} ≤ 50 m ²
В	FIGRA _{0.2 MJ} ≤ 120 W/s LFS < edge of the long wing specimen THR _{800s} ≤ 7,5 MJ	s2	SMOGRA ≤ 180 m ² /s ² TSP _{600s} ≤ 200 m ²
	FIGRA _{0.4 MJ} ≤ 250 W/s	Class	Droplets
	LFS < edge of the long wing specimen	d0	No flaming droplets/particles
	THR _{600s} ≤ 15 MJ	d1	Flaming droplets/particles < 10 s
D	FIGRA ≤ 750 W/s	d2	Not d0 or d1

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 11 of EN 13501-1:2007+ A1:2009.

EN 13501-1:2007

400g PVC, Page 4 of 4

Efectis Nederland report | 2012-Efectis-R9353c | August 2012 | Zingerlemotal AG 4.2 Classification The product, PVC fabric, in relation to its reaction to fire behaviour is classified: The additional classification in relation to smoke production is: The additional classification in relation to flaming droplets / particles is: Reaction to fire classification: B - s2, d0 4.3 Field of application This classification is valid for the following product parameters: - Thickness Surface density
 Other properties This classification is valid for the following end use applications: - Substrate not applicable - Air gap free standing
- Methods and means of fixing not applicable - Joints no joints - Other aspects of used for tents end use conditions 4.4 Duration of the validity of this classification report There are no limitations in time on the validity of this report. This classification document does not represent type approval or certification of the product.

MASTERTENT USA

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