

Received: 12/22/2009 Completed: 01/11/2010 Letter: S rb P.O.#: Test Report #: 2-81590-0-RV

Client's Identification Style: Holiday Flame Retardant Awning Fabric. Content: 100% Polyester. Width: 62". Finish: FR. Weight: 13.2 oz/yd².
End Use: Awning Fabric.

Tested For:

Marchem CFI
500 Orchard Street
New Haven, MO 63068

Key Test: NFPA 701-2004 TM#2 Flat RVNC

Tel: 1-(573)-237-4444 Ext:
Fax: 1-()- -

PC:1H

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2004 Edition - Test Method #2 - Flat Sheet Specimens

SPECIMEN CONFIGURATION: Single Layer; Multi Layer

RESULTS REPORTED: Initially After 72 hours water leaching
 After 3 dry cleanings After 100 hours accelerated weathering
 After 5 launderings @ 160°F

RESULTS:

Length Specimen #	Afterflame (seconds)	Drip Burn (seconds)	Char Length (mm)
1	0	0.0	306
2	0	0.0	212
3	0	0.0	288
4	0	0.0	230
5	0	0.0	296
6	0	0.0	300
7	0	0.0	298
8	0	(5.1)	332
9	0	0.0	314
10	0	0.0	350

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 449 g/m²

FAILURE CRITERIA: For each individual specimen --

Afterflame	Drip Burn	Char Length
Exceeds 2.0 seconds	Exceeds 2.0 seconds	Exceeds 435 mm (17.1")

RETEST PROVISION: Test 5 additional specimens if only 1 specimen fails.

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

Passes; Fails; Requires testing of 5 additional specimens

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by NFPA 701 - 2004 Edition Test Method #2 Flat Sheet Specimens.

Heather E. Robertson

RV.01.22.10 /mg

AUTHORIZED SIGNATURE

THE GOVMARK ORGANIZATION, INC. / ec

MS. HEATHER ROBERTSON JAN 26 2010 (Page 1 of 2)



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Tested For:	Key Test: NFPA 701-2004 TM#2 Flat RVNC
Marchem CFI 500 Orchard Street New Haven, MO 63068	Tel: 1-(573)-237-4444 Ext: Fax: 1-()- -

PRECONDITIONING: 1 hr @ 220°F (Standard)
 24 hrs @ 68±9°F (Alternate: Material shrinks/distorts @ 220°F)

REMARKS:
None.

CONVERSION FACTORS:
mm ÷ 25.4 = inches
g/m² ÷ 28.35 x .835 = oz/yd²

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Received: 12/22/2009 Completed: 01/11/2010 Letter: S rb P.O.#: Test Report #: 2-81590-0-RE-RV

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End Use: Awning Fabric.

Tested For: **Marchem CFI**
500 Orchard Street
New Haven, MO 63068
Key Test: NFPA 701-2004 TM#2 Flat RE RVNC
Tel: 1-(573)-237-4444 Ext:
Fax: 1-()- -

PC: 1H

TEST PERFORMED: NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - 2004 Edition - Test Method #2 - Flat Sheet Specimens
RETEST

PRODUCT CONFIGURATION: Single Layer; Multi Layer

RESULTS REPORTED: Initially After 72 hours water leaching
 After 3 dry cleanings After 100 hours accelerated weathering
 After 5 launderings @ 160°F

RESULTS:

Length Specimen #	Afterflame (seconds)	Drip Burn (seconds)	Char Length (mm)
1	0	0	276
2	0	0	308
3	0	0	270
4	0	0	322
5	0	0	240

APPROXIMATE WEIGHT OF MATERIAL (as measured by Govmark): 449 g/m²

FAILURE CRITERIA: For each individual specimen --

Afterflame	Drip Burn	Char Length
Exceeds 2.0 seconds	Exceeds 2.0 seconds	Exceeds 435 mm (17.1")

RETEST PROVISION: None.

CONCLUSION: Based on the Results of 15 specimens tested (reports 2-81590-0 and 2-81590-RE) and the Failure Criteria, the item tested:

Passes; Fails

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by NFPA 701 - 2004 Edition Test Method #2 Flat Sheet Specimens.

Heather E. Robertson

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JAN 26 2010

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