

Intertek

**NFPA 701 - 2004 FIRE TESTS FOR
FLAME-RESISTANT TEXTILES AND FILMS
METHOD 1**

Client: Ferrari Textiles
Address: 1510 SW 5th Court
Pompano Beach, FL 33069

Received Date: November 7, 2008
(This sample was received in good condition)

Test Date: December 10, 2008
Report Date: December 24, 2008

Project No: 3167091SAT-001A

Sample Identification: Soltis B99

Description

See Appendix.

Specimen Wt.: 17.8 oz/sq yd.
Specimen Thickness: 0.01 inch

Environmental Conditions: 70°F and 52% r.h.
This Test Witnessed by: No witnesses

SUMMARY OF TEST PROCEDURE:

Ten specimens are cut with the long dimension parallel to the lengthwise direction of the material and conditioned for at least 30 min. at $220 \pm 5^\circ\text{F}$ ($105 \pm 3^\circ\text{C}$) before testing. The specimens are removed from the oven one at a time and tested within 2 minutes. The top edge of the specimen is attached to a pin bar so that the specimen is centered on the pin bar and the long dimension of the specimen is in the vertical position with 0.75" binder clips attached to the specimen at each bottom corner. A specified test flame is applied to the bottom center of the specimen for 45 sec. and then removed.

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16015 Shady Falls Road
Elmendorf, Texas 78112
Telephone: 210-635-8100 Fax: 1-210-635-8101
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TEST CRITERIA:

The average weight loss of ten specimens shall not be greater than 40%. The percent weight loss of any individual specimen can not exceed the mean percent weight loss value plus three standard deviations of the percent weight loss. The average floor flame of ten specimens shall not be greater than 2 seconds.

TEST RESULTS

Sample No.	Wt. Before (grams)	Wt. After Test (grams)	Percent Wt. Loss	AfterFlame (sec.)	Floor Flame (sec.)
1	40.07	37.86	5.52	0	0
2	39.88	38.51	3.44	0	0
3	38.60	36.92	4.35	0	0
4	38.97	35.74	8.29	0	0
5	39.17	34.75	11.28	0	0
6	38.84	30.03	22.68	0	0
7	37.40	31.05	16.98	0	0
8	38.51	33.19	13.81	0	0
9	38.31	34.32	10.42	0	0
10	37.71	34.37	8.86	0	0
Average	38.75	34.67	10.56	0	0

Standard deviation of percent Wt. loss = 5.68

Mean value plus 3 standard deviations = 27.59

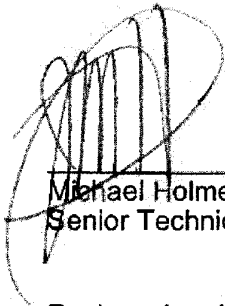
The mean percent weight loss value plus three standard deviations of the percent weight loss is 27.59.

Conclusion:

THE SPECIMEN PASSED THE TEST CRITERIA.

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This report contains a total of three pages.



Michael Holmes
Senior Technicia

December 24, 2008

Reviewed and approved:



Servando Romo
Project Manager

December 24, 2008

Intertek

**NFPA 701 - 2004 FIRE TESTS FOR
FLAME-RESISTANT TEXTILES AND FILMS
METHOD 2***

Client: Ferrari Textiles
Address: 1510 SW 5th Court
Pompano Beach, FL 33069

Received Date: November 11, 2008
(This sample was received in good condition)

Test Date: December 4, 2008
Report Date: December 24, 2008

Project No: 3167091SAT-001B

Sample Identification: Soltis B99

Description

See Appendix.

Specimen Wt.: 17.8 oz/sq yd
Specimen Thickness: 0.01 inch

Environmental Conditions: 68°F and 55% r.h.
This Test Witnessed by: No witnesses

*This material was not subjected to the accelerated water leaching procedures.

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SUMMARY OF TEST PROCEDURE

10 specimens of material 4.9 in. x 47.25 in. are cut with their long dimension parallel to the length direction ("with" machine). The test specimens are conditioned to 220-225°F (105-108°C) for not less than one hour and not more than 3 hours. Specimens are removed from the oven one at a time and tested immediately. The specimens are supported with clips in a three-sided vertical column and exposed to an 11" flame for two minutes. The flame impinges approximately 7 inches on the specimen.

TEST CRITERIA

No specimen shall continue flaming for more than two seconds. Length of char shall not exceed 17.1 inches from the bottom edge of the specimen. No flaming on floor of apparatus is allowed for longer than two seconds.

TEST RESULTS

Specimen	Afterflame Duration (sec)	Floor Flaming (sec)	Char Length (In.)
1	0	0	6.75
2	0	0	7.00
3	0	0	8.50
4	0	0	7.63
5	0	0	8.94
6	0	0	8.25
7	0	0	7.50
8	0	0	7.50
9	0	0	7.25
10	0	0	8.25
Average	0	0	7.76

CONCLUSION

THIS TEST SPECIMEN PASSED THE NFPA 701 TEST 2 FIRE TEST.

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This report contains a total of five pages.



Michael Holmes
Senior Technician

December 24, 2008

Reviewed and approved:



Servando Romo
Project Manager

December 24, 2008

APPENDIX

FERRARI



TECHNICAL DATA

A) MANUFACTURER

TISSAGE ET ENDOUCTION SERGE FERRARI
F38352 - LA TOUR DU PIN CEDEX

B) COMMERCIAL NAME

SOLTIS B99

C) DESCRIPTION OF MATERIAL

1) Nature of components : PES yarns coated with PVC flame retardant on both sides and varnished Aluminium only on one side ...

2) Nature of flame retardant additives : aluminium trioxyde, antimony trioxyde included in the formulation of PVC.

3) Weight : 600 g/m² ± 5%
Thickness : 0.47 mm ± 10%

4) Polyester 1100 dtex : 19%
PVC flame retardant : 81%

D) APPLICATION

Awning

E) MAINTENANCE

Washing with soap and water.

LA TOUR DU PIN : 03/11/08

TISSAGE ET ENDOUCTION
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