

TEST REPORT

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RENDERED TO
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PRODUCT EVALUATED: 65% Polyester/35% Cotton Upholstery Fabric with
Flame Safe Fabric Safe
EVALUATION PROPERTY: ASTM E1353

Report of Testing 65% Polyester/35% Cotton Upholstery Fabric with
Flame Safe Fabric Safe for compliance with the applicable requirements
of the following criteria: ASTM E1353-16 – Standard Test Methods for
Cigarette Ignition Resistance of Components of Upholstered Furniture1;
Section 10, Cover Fabric Test.

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FLAME SAFE

2 Introduction

Intertek has conducted testing for Flame Safe Wood Products, Inc. on 65% Polyester/35% Cotton Upholstery Fabric with Flame Safe Fabric Safe to evaluate assessment of the resistance of upholstered furniture component assemblies to combustion after exposure to smoldering cigarettes under specified conditions. Testing was conducted in accordance with ASTM E1353-16 – Standard Test Methods for Cigarette Ignition Resistance of Components of Upholstered Furniture1; Section 10, Cover Fabric Test.. This evaluation began October 3, 2017 and was completed October 3, 2017

3 Test Samples

3.1. SAMPLE SELECTION

Samples were submitted to Intertek directly from the client. Samples were not independently selected for testing. Samples were received at the Evaluation Center on October 2, 2017 in good condition.

3.2. SAMPLE AND ASSEMBLY DESCRIPTION

Sample Name: 65% Polyester/35% Cotton Upholstery Fabric with Flame Safe Fabric Safe
Sample Description: 65% polyester/35% cotton upholstery fabric fire retardant with Flame Safe Fabric Safe sprayed on at 200 square feet per gallon.
Three specimens, each 8 by 8 in. (203 by 203 mm), for the horizontal panels, and three specimens, each 8 by 15 in. (203 by 381 mm), for the vertical panels were cut by Client.

4 Testing and Evaluation Methods

4.1. TEST STANDARD

Testing for is conducted in accordance with Section 11 of the standard

4.2. TEST CRITERIA

Fabrics that do not develop obvious ignition (see 11.8) and exhibit a vertical char (see 11.9) of less than 1.8 in. (45 mm) as Class I. Classify fabrics developing obvious ignition or vertical char of 1.8 in. or more as Class II.

5 Testing and Evaluation Results

5.1. RESULTS AND OBSERVATIONS

Environmental Conditions: 74.6°F and 53% Relative Humidity

Equipment Used: Test Rig, Cigarettes: SRM 1196, Stopwatch: #1251, Temp/Humidity Reader: #1373

Cigarette Trial 1

Retest Number:	1	2	3
Horizontal Char (mm)	77.0	NA	NA
Vertical Char (mm)	17.0	NA	NA
Ignition Y/N	N	NA	NA
Test Time (minutes)	40	NA	NA
Smoldering Time (s)	0	NA	NA
Pass/Fail	Pass	NA	NA

Cigarette Trial 2

Retest Number:	1	2	3
Horizontal Char (mm)	80.0	NA	NA
Vertical Char (mm)	23.0	NA	NA
Ignition Y/N	N	NA	NA
Test Time (minutes)	42	NA	NA
Smoldering Time (s)	0	NA	NA
Pass/Fail	Pass	NA	NA

Cigarette Trial 3

Retest Number:	1	2	3
Horizontal Char (mm)	16.0	NA	NA
Vertical Char (mm)	73.0	NA	NA
Ignition Y/N	N	NA	NA
Test Time (minutes)	48	NA	NA
Smoldering Time (s)	0	NA	NA
Pass/Fail	Pass	NA	NA

This sample is Classified Class I for ASTM E1353-16 Section 10. Cover Fabric Test

6 Conclusion

Intertek has conducted testing for Flame Safe Wood Products, Inc. on 65% Polyester/35% Cotton Upholstery Fabric with Flame Safe Fabric Safe to evaluate assessment of the resistance of upholstered furniture component assemblies to combustion after exposure to smoldering cigarettes under specified conditions. Testing was conducted in accordance with ASTM E1353-16 – Standard Test Methods for Cigarette Ignition Resistance of Components of Upholstered Furniture1; Section 10, Cover Fabric Test.

65% Polyester/35% Cotton Upholstery Fabric with Flame Safe Fabric Safe is Classified Class I for ASTM E1353; Section 10, Cover Fabric Test.


The conclusions of this test report may not be used as part of the requirements for Intertek product certification. Authority to Mark must be issued for a product to become certified.

INTERTEK

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REVISION SUMMARY

DATE	SUMMARY
October 3, 2017	Original Test Report