

TEST REPORT

Number : SHAT05894115

Applicant :

Date : May 10, 2020

Sample Description As Declared :

No. Of Sample : Several
Fibre Content : -
Material : Basket
Finishing : With FR Treatment
End Uses : Furniture

Applicant's Provided Care Instruction/Label :

Date Sample Received : Apr 28, 2020
Date Testing Started : Apr 28, 2020

Prepared And Checked By:
For Intertek Testing Services Ltd., Shanghai



Jennifer Ren
General Manager

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Conclusion:

Based Upon The Test Results Reported, The Visible Cover Sample Tested Meets The Requirement Of Schedule 5 Part I Of The Furniture And Furnishings (Fire) (Safety) Regulations 1988 (As Amended in 1989, 1993 and 2010).

Based Upon The Test Results Reported, The Composite Test For Ignitability of Visible Cover With Standard Filling Materials Meets The Requirement Of Schedule 4 Part I Of The Furniture And Furnishings (Fire) (Safety) Regulations 1988 (As Amended in 1989, 1993 and 2010).

The Sample Meets The Requirements When Tested In Accordance With Procedures Outlined In Federal Motor Vehicles Safety Standard 302.

Based Upon The Results Of The Flammability Test Reported, The Sample Submitted For Testing Meets The Performance Requirements Of Class 1 Of NFPA 260 Cover Fabric Classification Test - Cigarette Ignition Test.

Prepared And Checked By:
For Intertek Testing Services Ltd., Shanghai



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Attention is drawn to the terms and conditions printed overleaf

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Tests Conducted (As Requested By The Applicant)

1 Flammability Test (BS 5852 Part 1:1979, Match Test):

The test, specified in schedule 5 Part I of The Furniture and Furnishings (Fire) (Safety) Regulations 1988 (as amended in 1989, 1993 and 2010), is based on BS 5852 part 1:1979 using ignition source 1 - match test for 20 seconds.

To assess the ignitability of visible cover with standard filling material used in upholstered components when subjected to ignition flame.

The following test results relate only to the ignitability of the combination of material under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Conditioning : 72 hours indoor ambient and at least 16 hours of 20±5°C, 50±20% relative humidity.

Testing Atmosphere : 15-30°C, 20-70% relative humidity

Flame Retardant Finishing Of Visible Cover : Yes

Soaking Condition : Clause 4.2-4.5 of BS 5651:1978 As Modified By The Furniture and Furnishings (Fire) (Safety) Regulations 1988, 30 minutes at 40°C, Line Dry.

Performance Requirement : Clause 9 of BS 5852 part 1:1979

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Tests Conducted (As Requested By The Applicant)

Flammability Test (CONT'D)

Test Result:

Progressive Smouldering Failure

(A) Evidence of progressive smouldering in the interior and/or cover after 120 seconds of the removal of burner tube.

1st Test
No

Retest
No

(B) On final examination progressive smouldering is observed on the assembly dismantle and examined it internally.

No

Flaming Failure

(A) Evidence of flaming in the interior and/or cover after 120 seconds of the removal of burner tube.

No

No

Fabric	Ignition Source	Time To Extinction After Removal Of Burner			
		Flaming Ceased Time		Smoking Ceased Time	
		Min	Sec	Min	Sec
1	1	0	1	0	18
Retest	1	0	0	0	15

Remark : No = Was not observed

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2 Flammability Test (BS 5852:Part 1:1979, Cigarette Test):

The Test, Specified In Schedule 4 Part I Of The Furniture And Furnishing (Fire) (Safety) Regulations 1988 (As Amended In 1989, 1993 And 2010), Is Based On BS 5852 Part 1:1979 Using Ignition Source - Cigarette.

To Assess The Ignitability Of Visible Cover With Standard Filling Material Used In Upholstered Components When Subjected To A Smouldering Cigarette.

The Following Test Results Relate Only To The Ignitability Of The Combination Of Materials Under The Particular Conditions Of Test; They Are Not Intended As A Means Of Assessing The Full Potential Fire Hazard Of The Materials In Use.

Conditioning : 72 hours Indoor Ambient And At Least 16 hours Of $20\pm5^{\circ}\text{C}$, $50\pm20\%$ Relative Humidity.

Testing Atmosphere : $15-30^{\circ}\text{C}$, 20-70% Relative Humidity

Flame Retardant Finishing Of Visible Cover : Yes

Soaking Condition : Clause 4.2-4.5 of BS 5651:1978 As Modified By The Furniture and Furnishings (Fire) (Safety) Regulations 1988, 30 minutes at 40°C , Line Dry.

Performance Requirement : Clause 9 Of BS 5852 Part 1:1979

Test Result:

Progressive Smoldering Failure

	<u>1st Test</u>	<u>Retest</u>
(A) Evidence Of Progressive Smoldering In The Interior And/Or Cover During Combustion.	No	No
(B) Progressive Smoldering Of The Upholstery Components Is Observed At Any Time Within A Period Of One Hour Of The Placement Of The Cigarette;	No	No
(C) On Final Examination Progressive Smoldering Is Observed On The Assembly Dismantle And Examined It Internally.		No

Flaming Failure

(A) Evidence Of Flaming In The Interior And/Or Cover During Combustion;	No	No
(B) Flaming Of The Upholstery Components Is Observed At Any Time Within A Period Of One Hour Of The Placement Of The Cigarette.	No	No

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Flammability Test (CONT'D)

Fabric/ Standard Filling	Ignition Source	Time To Extinction After Placement Of Ignition Source			
		Flaming Ceased Time		Smoking Ceased Time	
		min	sec	min	sec
1	0	0	0	3#	42
Retest	0	0	0	5#	11

Remark : No = Was not observed

= The cigarette fails to smoulder its complete length

The fabric was tested with non fire-retardant polyurethane foam type b.

Note : There was insufficient filling material to carry out the cigarette test out over the actual upholstery composite so as suggested by the guide to the furniture regulations the cover fabric was tested for cigarette resistance using standard polyurethane foam (non-modified) as this will give the furniture manufacturer a good indication of its likelihood to pass the cigarette test for the finished article.

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3 Flammability Test (FMVSS 302):

Performance Requirement :

The Tested Material Shall Not Burn, Nor Transmit A Flame Front Across Its Surface, At A Rate Of More Than 4 inch Per minute.

<u>Test Results</u> Specimen	<u>Flashing</u>	<u>Rate Of Burning (inch/minute)</u>	
		<u>Length Direction</u>	<u>Width Direction</u>
1.	No	IBE	IBE
2.	No	IBE	IBE
3.	No	IBE	IBE

Remark : IBE = Ignited but extinguished

(Specimen stop burning before 60 second and has not burned more than 2 inch from timing start point)

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4 Flammability Test (NFPA 260-2013 Cover Fabric Classification):

Criteria :

- Class I :** A Specimen Shall Shown No Evidence Of Ignition Of Any Test Assembly.
The Vertical Char On Any Of The Three Specimens Shall Not Exceed 45 mm.
- Class II :** Cover Fabric That Do Not Meet Class I Criteria Shall Be Designated As Class II.

Specimen Number	Vertical Char (mm)	Evidence Of Ignition
1.	9#	No
2.	8#	No
3.	9#	No

Classification = Class I

= The cigarette fails to smoulder its complete length

End of Report

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