

## Test Report

No. SDHG1305002489FB-01

Date: Jun.07, 2013

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CUBIC MANUFACTURING LTD  
94 ARD KEALE, MOUNT OVAL, ROCHESTOWN, CORK, IRELAND

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description : FABRIC  
Sample Receiving Date : May 22, 2013  
Test Performing Date : May 22, 2013 to May 29, 2013  
Test Required : In accordance with Schedule 4 Part I and Schedule 5 Part I of Furniture and Furnishings (Fire) (Safety) Regulations 1988 With Amendments In 1989, 1993 and 2010 of United Kingdom.  
Test Result(s) : For further details, please refer to the following page(s)  
Comments / Conclusion : PASS: After performing the following tests, the submitted sample met the requirements of Schedule 4 Part I (the cigarette ignition source 0) and the requirements of Schedule 5 Part I (the butane flame ignition source 1).

Signed for and on behalf of  
SGS-CSTC Co., Ltd.



Jack Yao  
Approved signatory

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**Test Conducted:**

The Test, Specified in Schedule 4 Part I and Schedule 5 Part I of the Furniture and Furnishings (Fire) (Safety) Regulations, is based on BS 5852: Part 1: 1979.

To assess the ignitability of visible cover used in upholstered components when subjected to ignition source 0 and 1.

**General Information:**

Cover Materials / Color	Fabric / Dark Blue With Pattern	Weight	491 g/m <sup>2</sup>
Soaking Condition:	<input checked="" type="checkbox"/> YES (BS 5651) <input type="checkbox"/> NO		
Precondition:	Indoor Ambient Condition	72 h	
Conditioning of Test Specimen and Ignition Source(s):	(23±2) °C	RH (50±5) %	24 h
Testing Enclosure (fume cupboard /room):	23 °C	RH 61 %	---

**Test Results:**

The following test results relate only to the ignitability of the combination of materials under the particular condition of test. They are not intended as a means of assessing the full potential fire hazard of the materials or products in use.

**(A) Smoldering Cigarette Test (ignition source 0)**

Criteria	1 <sup>st</sup> test	2 <sup>nd</sup> test
① Whether the evidence of progressive smoldering or flaming is observed in the interior and/or cover	NO	NO
② Whether progressive smoldering or flaming of the sample is observed at any time within one hour of placement of the cigarette	NO	NO
③ Whether progressive smoldering is observed on final examination when dismantle assembly and examine internally	NO	NO

**Test Details:**

The filling material for Schedule 4 Part I was non-fire retardant polyurethane foam corresponding to the specification set out in BS 3379 Type B Hardness grade 130 and of a density of 20-22 kg per m<sup>3</sup>.

Test	Ignition Source	Time to Extinction after Placement of the Cigarette			Comments and Observation
		Progressive Smoldering Time(second)	Flame Ceased Time(second)	Smoking Ceased Time	
1 <sup>st</sup>	0	0	0	3 min 06s	#1
2 <sup>nd</sup>	0	0	0	2 min 49s	#1

**Sub-Conclusion: PASS**

To be continued...

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### (B) Butane Flame Test (ignition source 1)

Criteria	1 <sup>st</sup> test	2 <sup>nd</sup> test
① Whether any evidence of flaming or progressive smoldering is observed in the interior and/or cover after 120s of the removal of the burner tube	NO	NO
② Whether progressive smoldering is observed on final examination when dismantle assembly and examine internally	NO	NO

#### Test Details:

The filling material for Schedule 5 Part I was non-fire retardant polyurethane foam corresponding to the specification set out in BS 3379 Type B Hardness grade 130 and of a density of 20-22 kg per m<sup>3</sup>.

Test	Ignition Source	Ignition Time	Time to Extinction after Removal of the Burner(second)		Comments and Observation
			Flame Ceased Time	Smoking Ceased Time	
1 <sup>st</sup>	1	(20±1)s	0	9	No Ignition
2 <sup>nd</sup>	1	(20±1)s	0	10	No Ignition

#### Sub-Conclusion: PASS

Remark: N/A--Not Applicable; N/C--Not Conduct;

#1—Cigarette fails to smoulder its complete length;

#2—Cigarette passes to smoulder its complete length, but the sample was not ignition;

#3—Flaming but self-extinguishment;

#4—Flaming and essentially consumed;

#5—Extinguished by operator, escalating flaming combustion;

#6—The first test failed, so retest was not conducted.

This test report is to supersede test report number SDHG1305002489FB.

#### Photo Appendix:



\*\*\*End of Report\*\*\*

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