

Test Report

No. SDHG1305002962FB

Date: Jun.08, 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 31, 2013
Test Performing Date : May 31, 2013 to Jun.08, 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 / Red	Weight	469 g/m ²
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 63 %	---

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 st test	2 nd 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 m³.

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 st	0	0	0	5 min 28s	#1
2 nd	0	0	0	6 min 14s	#1

Sub-Conclusion: PASS

To be continued...

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(B) Butane Flame Test (ignition source 1)

Criteria	1 st test	2 nd 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 m³.

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

Photo Appendix:



End of Report

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