

## Test Report

No. SDHL1811025962FB

Date: Nov.22, 2018

Page 1 of 4

MERRYFAIR CHAIR SYSTEM SDN BHD  
NO.2, JALAN KORPORAT 1/KU9, TAMAN PERINDUSTRIAN MERU, KAPAR, 42200 SELANGOR, MALAYSIA.

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

Sample Description : FLITE - INTEGRAL SKIN PU FOAM  
Buyer Item No. : 557 BACK & SEAT  
Sample Receiving Date : Nov.14, 2018  
Test Performing Date : Nov.14, 2018 to Nov.22, 2018

### Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	Schedule 2 Part I of Furniture and Furnishings (Fire) (Safety) Regulations 1988 With Amendments In 1989 ,1993 and 2010 of United Kingdom	PASS	/
For further details, please refer to the following page(s)			

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



Ivette Zhang  
Approved signatory



SGS-CSTC Shunde Branch Inspection & Testing Services Co., Ltd.  
Shunde Branch Harbin

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**Test Conducted:**

The Test, Specified in Schedule 2 Part I of the Furniture and Furnishings (Fire) (Safety) Regulations, is based on BS 5852: Part 2: 1982.

To assess the ignitability of non-foam filling materials singly used in upholstered components when subjected to ignition 2

**General Information:**

Materials	Foam		
Specified Thickness of Sample	(75±2) mm	Actual Thickness of Sample	77 mm*

Precondition	Indoor Ambient Condition		72 h
Conditioning of Test Specimen and Ignition Source(s)	Temperature: (23±2) °C;Relative Humidity: (50±5) % Duration:24 h;		
Testing Enclosure (fume cupboard / room)	25 °C	RH 60 %	---

**Test Required:**

If smouldering or flaming failure against the criteria of clause 4 of BS 5852: Part 2: 1982 has not occurred or has occurred only by way of damage exceeding the limits defined in clauses 4.1(e) , 4.1(f) and 4(2)(f) , the non-foam filling passes the ignitability test.

**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.

Test Criteria	Results	
	1 <sup>st</sup> test	2 <sup>nd</sup> test
<b>(A) Progressive smouldering (Clause 4.1 of BS 5852 part 2:1982)</b>		
4.1 a) Any composite that produces externally detectable amounts of smoke, heat or glowing 30 minutes after the removal of the burner tube.	NO	NO
4.1 c) Any composite that displays escalating combustion behaviour so that it is unsafe to continue the test and requires forcible extinction.	NO	NO
4.1 d) Any composite that smoulders until it is essentially consumed within the test duration relevant to the source	NO	NO
4.1 e) Any composite that smoulders to the extremities of the specimen viz upper or lower margins, either side or to its full thickness, within the duration of the test.	NO	NO
4.1 f) Any composite that, on the final examination, shows evidence of charring other than discolouration, more than 100 mm in any direction apart from upwards from the nearest part of the original position of the source.	NO	NO



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Test Criteria	Results	
	1 <sup>st</sup> test	2 <sup>nd</sup> test
<b>(B) Flaming (Clause 4.2 of BS 5852 part 2:1982)</b>		
4.2 a) Any composite that continues to flame for more than 120s after the removal of the burner tube.	NO	NO
4.2 d) Any composite that displays escalating combustion behaviour so that it is unsafe to continue the test and forcible extinction is required.	NO	NO
4.2 e) Any composite that burns until it is essentially consumed within the test duration relevant to the source.	NO	NO
4.2 f) Any composite on which any flame front reaches the lower margin, either side or passes through the full thickness of the specimen within the duration of the test.	NO	NO

**Test Details:**

The cover materials for this test were 100 percent flame retardant polyester fibres specified in Schedule 1, Part I of the Regulations.

Test No.		1 <sup>st</sup>	2 <sup>nd</sup>
Time to Extinction after Removal of the Burner	Flames (sec)	0	0
	Smoke (sec)	14	17
Maximal Extent of damage of test component	Width direction (mm)	20	20
	Length direction (mm)	27	25
	Depth (mm)	0	0
Rating, comments & observations		#1	#1

**Conclusion: PASS**

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

- #1—Pass, the sample was not ignited after removal of the burner;
- #2—Pass, flaming but self-extinguishment;
- #3—Fail, extinguished by operator, escalating flaming combustion;
- #4—The first test failed, so retest was not conducted;
- \*--The packing density of the filling was 255 kg/m<sup>3</sup>. (provided by client).



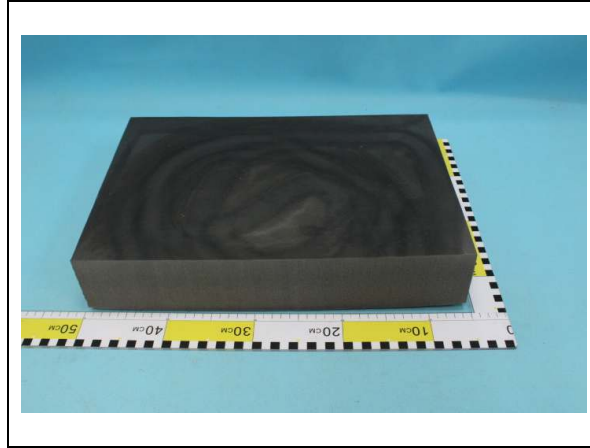
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Photo Appendix:



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



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