



STC Test Report

Date: 2012-02-08

Page 1 of 3

No: HT216354

Applicant (OCP003)

: Ocean Polyurethane Foam Ind. Ltd.
Room 202, 2/F., Tower I, Harbour Centre,
1 Hok Cheung Street, Hunghom, Hong Kong.

Attn.: Ms. Milk Chan

Description of Sample(s)

: One (1) group of submitted sample said to be
Purple Foam
Size: 450mm x 450mm x 75mm (2pcs)
450mm x 300mm x 75mm (2pcs)
Style No.: B314M
Country of Origin: China

Date sample(s) Received

: 2012-02-03

Date Tested

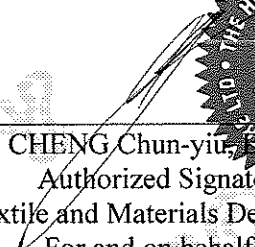
: 2012-02-03 to 2012-02-08

Investigation Requested

: Selected test(s) as detailed herein.

Conclusion(s)

: The submitted sample complied with Schedule 1 Part I
of UK Furniture and Furnishings (Fire) (Safety)
Regulations 1988 (amended 1989, 1993 and 2010).


CHENG Chun-yiu, David
Authorized Signatory
Textile and Materials Department
For and on behalf of

The Hong Kong Standards and Testing Centre Ltd.

SATRA Accredited Laboratory
International Safe Transit Association (ISTA) Certified Laboratory
Members of
Hong Kong Apparel Society Limited
Hong Kong Footwear Association

Approved Laboratory of The Woolmark Company
The Govmark Fire Laboratories Certified Laboratory

Hong Kong Association for Testing, Inspection and Certification Limited
Knitwear Innovation and Design Society (KIDS)

The Hong Kong Standards and Testing Centre Ltd.

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Page 2 of 3

No: HT216354

TEST RESULT(S):

UK Furniture and Furnishings (Fire) (Safety) Regulations 1988 (amended 1989, 1993 and 2010) Schedule 1 Part I: Ignitability test for polyurethane foam in slab or cushion form

Test method : BS 5852 – Part II:1982
 Ignition source : Crib ignition source 5 as specified in BS 5852 – Part II:1982
 Conditioning of test specimen : A minimum of 16 hours at 20 ± 5°C and 50 ± 20% R.H.
 Test condition : Temperature : 23°C
 Relative humidity : 57%

The following test results relate only to the ignitability of the combination of upholstery composites 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.

Test Result:

Ignitability performance index: P5(Non-ignition/Pass). See summary below:

Criteria of failure (Clause 4 of BS 5852 – Part II: 1982)

Progressive smouldering failure

	<u>1st Test</u>	<u>2nd Test</u>
4.1(a) for source 2 or 3: any composite that produces externally detectable amounts of smoke, heat or glowing 30min after the removal of the burner tube	N.A.	N.A.
4.1(b) for source 4, 5, 6 or 7: any composite that produces externally detectable amounts of smoke, heat or glowing 60 min after ignition of the crib.	N.O.	N.O.
4.1(c) any composite that displays escalating combustion behaviour so that it is unsafe to continue the test and requires forcible extinction.	N.O.	N.O.
4.1(d) any composite that smoulders until it is essentially consumed within the test duration relevant to the source.	N.O.	N.O.
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.	N.O.	N.O.
4.1(f) any test specimen that, on 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.	N.O.	N.O.

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Date: 2012-02-08

Page 3 of 3

No: HT216354

TEST RESULTS:

Flaming failure

	<u>1st Test</u>	<u>2nd Test</u>
4.2(a) for source 2 or 3: any composite that continues to flame for more than 120s after the removal of the burner tube	N.A.	N.A.
4.2(b) For sources 4 or 5: any composite that continues to flame for more than 10 minutes after the ignition of the crib.	N.O.	N.O.
4.2(c) For sources 6 or 7: any composite that continues to flame for more than 13 minutes after the ignition of the crib.	N.A.	N.A.
4.2(d) any composite that displays escalating combustion behaviour so that it is unsafe to continue the test and forcible extinction is required.	N.O.	N.O.
4.2(e) any test specimen that burns until it is essentially consumed within the test duration relevant to the source.	N.O.	N.O.
4.2(f) any test specimen 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.	N.O.	N.O.
The resultant mass loss (initial mass less final mass) is less than 60g.	Yes (Pass) (21g)	Yes (Pass) (22g)

Note :

1. The flame ceased for 3 minutes 24 seconds for 1st test and 3 minutes 28 seconds for 2nd test.
2. If failure against the criteria of clause 4 of BS 5852:Part II has occurred but only by way of damage exceeding the limits defined in clauses 4.1(e), 4.1(f) and 4.2(f) and provided that the resultant mass loss (initial mass less final mass) is less than 60g the foam passes the ignitability test.

Remark :

1. N.A. denotes : Not applicable
2. The Ignitability performance index of sample is designated by the number of the ignition source to which the sample was subjected under BS 5852:Part II:1982 preceded by the letters 'P' if the specimen passed that test or by the letter 'F' if it failed.

***** End of Test Report *****

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