



STC Test Report

Date: 2011-03-23

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(DUPLICATE)

No.: ST116218

Applicant(Code:QID574) : Ningbo KQD Plastisc Tech Co., Ltd.
No.1102 Zhejiang University Science & Technology Park,
Jiangnan RD. 1558, Ningbo City, Zhejiang Province, China.

Attn: Ma Huijuan

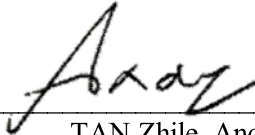
Description of Sample(s) : Sample A: One (1) piece of submitted sample said to be
PU compound fabrics
Country of Origin: China
Sample B: Foam (provided by SHSTC)


Date Sample(s) Received : 2011-03-17

Date Tested : 2011-03-17 to 2011-03-23

Investigation Requested : Selected test(s) as detailed herein.

Conclusion(s) : The submitted sample A and B (in composite) did not ignite when
tested with ignition source 5 of BS 5852:2006, section 11.


TAN Zhile, Andy
Textile and Materials Department
For and on behalf of
STC(Shanghai) Company Limited



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TEST RESULTS:

BS5852:2006, Clause 11: Methods of test for the ignitability of upholstery composites

Sample : A + B
Test method : BS 5852:2006, Clause 11 (Wooden crib source 5)
Ignition source : Crib ignition source 5 as specified in BS 5852: 2006
Condition of test specimen : A minimum of 16 hours at $20 \pm 5^{\circ}\text{C}$ and $50 \pm 20\%$ R.H.
Test condition : Temperature : 18°C
Relative Humidity : 60%

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:

Wooden crib: source 5: Ignitability performance: BS5852:2006, Clause 11, NI/5(Pass).

See summary below:

<u>Progressive smouldering ignition</u>	<u>1st Test</u>	<u>2nd Test</u>
a) Any test specimen that displays escalating smouldering combustion behaviour so that it is unsafe to continue the test and requires forcible extinction.	N.O.	N.O.
b) For all flaming sources: any test specimen that smoulders until it is essentially consumed or that smoulders to the extremities of the specimen, that is to either side or to the full thickness of the specimen, within the duration of the test.	N.O.	N.O.
c) For flaming ignition sources 2 or 3: any test specimen that produces externally detectable amounts of smoke, heat or glowing 15min after the removal of the burner tube.	N. A.	N. A.
d) For flaming ignition sources 4, 5, 6 or 7: any test specimen that produces externally detectable amounts of smoke, heat or glowing 60 min after ignition of the crib.	N.O.	N.O.
e) 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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TEST RESULTS:

Flaming ignition

	<u>1st Test</u>	<u>2nd Test</u>
a) Any test specimen that displays escalating flaming combustion behaviour so that it is unsafe to continue the test and requires forcible extinction	N.O.	N.O.
b) Any test specimen that burns until it is essentially consumed within the test duration.	N.O.	N.O.
c) Any test specimen on which any flame front reaches the extremities of the specimen other than the top of the vertical part of the test specimen or passes through the full thickness of the specimen within the duration of the test	N.O.	N.O.
d) For flaming ignition sources 2 and 3: any test specimen that continues to flame for more than 120s after removal of the burner tube.	N. A.	N. A.
e) For flaming ignition sources 4 and 5: any test specimen that continues to flame for more than 10 min after ignition of the crib.	N.O.	N.O.
f) For flaming ignition sources 6 and 7: any test specimen that continues to flame for more than 13min after ignition of the crib.	N. A.	N. A.
g) For all sources: any test specimen from which debris causes an isolated floor fire not meeting the requirements of items d), e), or g).	N.O.	N.O.

Note : The flame ceased at 3 minutes 50 seconds for 1st test and 4 minutes 7 seconds for 2nd test.

Remarks :

1. N. A. denotes Not applicable
N.O. denotes: Not observed
2. Water-soaking procedure was conducted for covering material in according with BS 5852: 2006, annex E.
3. The Ignitability performance index of assembly is designated by the number of the section of BS 5852: 2006 together with the ignition source to which the test specimen was subjected preceded by the letters 'NI' if the specimen did not ignite or by the letter 'I' if it did ignite.
4. Foam Used: The sample was tested with foam which passes the ignitability test in UK Fire Regulation Schedule 1 Part 1 supplied by the Shanghai Standards and Testing Centre as the client's request.

The photo of submitted sample(s)



Sample A



Sample B

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

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