



Test Report

Date :2017-03-21

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No. : DT137011

Applicant (SHL026) : KBT LTD
Carlton Business Centre 132 Saltley Road Birmingham B7 4TH
United Kingdom

Description of Sample(s) : One(1) style of submitted sample(s) said to be :
INFR PP speaker and pannel fabric
Sample A: Fabric (Black)
Sample B: Foam (White)
End Use: Seating, decorative fabric, etc
(See the attached photo)
Country of Origin: China

Date sample(s) Received : 2017-03-15

Date Tested : 2017-03-15 to 2017-03-20

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

Conclusion(s) : The submitted sample(s) complied when tested with ignition source 5 of
BS 5852:2006, clause 11.

The filling material for this test shall be a foam which passes the ignitability test in part1 of schehule1 and has density of 24-26kg per m³ as client request.




Zhang Ke Yuan, Kent
Authorized Signatory
Textile and Materials Department
For and on behalf of
STC (Dongguan) Company Limited

STC (Dongguan) Company Limited

68 Fumin Nan Road, Dalang, Dongguan, Guangdong, China. Zip Code: 523770

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TEST RESULT(S):

Methods of test for assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources (BS 5852:2006)

Sample : A+B (in composite)
Ignition Source : Wooden crib: source 5
Condition of test specimen : A minimum of 24 hours at $23 \pm 2^{\circ}\text{C}$ and 15 - 80% R.H.
Test Condition : Temperature: 24°C ,
Relative humidity: 65%

The following test results relate only to the ignitability of the combination of upholstery composites under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use.

Test Result:

Ignitability performance index : BS 5852:2006 Clause 11 NI/5(Pass).

See summary below:

Criteria of ignition

Progressive smouldering ignition

	<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 forcible extinction is required;	N.O.	N.O.
b) for the smouldering cigarette source 0: any test specimen that produces externally detectable amounts of smoke, heat or glowing within the period from the extinction of the source until 60 min after placement of the source.	N.O.	N.O.
c) for all flaming ignition sources: any test specimen that smoulders until it is essentially consumed or that smoulders to the extremities of the specimen, i.e. to either side or to/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 produces externally detectable amounts of smoke, heat or glowing 15min after removal of the burner tube;	N.A.	N.A.
e) for flaming ignition sources 4, 5, 6 and 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.
f) any test specimen that, on final examination, shows evidence of charring within the filling (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 RESULT(S):

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 forcible extinction is required.	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 120 s after removal of the burner tube or in which the flame front spreads past a vertical line 100 mm from the tip 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 13 min after ignition of the crib;	N.A.	N.A.
g) for all sources: any test specimen from which flaming debris causes an isolated floor fire that continues to flame for longer than the time given in d), e) or f)	N.O.	N.O.

Note: The flame cease for 4 minutes 46 seconds for 1st test and 4 minutes22 seconds for 2nd test.

- Remark:
- 1) O. denotes Observed
 - 2) N.A. denotes Not applicable
 - 3) Water-soaking procedure was conducted for covering material in accordance with BS 5852:2006, Annex E.
 - 4) The ignitability performance of a test specimen shall be designated by the number of the clause 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.

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

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Appendix for Photos of the Submitted Sample(s)



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