



Test Report



中国认可
国际互认
检测
TESTING
CNAS L3428

Date :2025-07-21

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No. : DT25071877

Applicant (08315291) : 广州惠康海绵制品有限公司
Guangzhou Huikang Sponge Products Co., LTD
广州市花都区花东镇石角村石角商业街3号
No. 3, Shijiao Commercial Street, Shijiao Village, Huadu District,
Guangzhou

Description of Sample(s) : Four (4) pieces of submitted foam sample(s) said to be :
英标海绵
(See the attached photo)
Size: 450mm x 450mm x 75mm (2 pcs)
450mm x 300mm x 75mm (2 pcs)

Date sample(s) Received : 2025-07-15

Date Tested : 2025-07-15 to 2025-07-21

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

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

Zhang Ke Yuan, Kent
Authorized Signatory

STC (Guangdong) Company Limited

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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**

Sample : Foam(Blue)
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 $20 \pm 5^{\circ}\text{C}$ and $50 \pm 20\%$ R.H.
Test condition : Temperature : 24°C
Relative humidity : 55 %

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 5 : 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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TEST RESULT(S):

<u>Flaming failure</u>		<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 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) (32)g.	Yes(Pass) (27)g.

Note(s) : 1) The flame ceased for 4 minutes 6 seconds for 1st test and 3 minutes 46 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(s) : 1) N.A. denotes : Not applicable.
2) N.O. denotes: Not observed
3) O. denotes : Observed .
4) 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.

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Appendix for Photos of the Submitted Sample(s)



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

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