



中国认可
国际互认
检测
TESTING
CNAS L4743

Test Report

Report No.: AJFS2307006366FF

Date: JUL.24, 2023

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ARISTIDE NV

NACHTEGAALSTRAAT 109 KONTICH 2550 BELGIUM

Sample Description: ROTAN

SGS Ref No.: SL623063065170TX

Style No.: ROTAN

Colour: 520

Composition: 6.7%PU, 72.3%PVC, 21%POLYESTER

No. of Samples: 1

The above sample(s) was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

Test Requested:

BS 5852:2006 Methods of test for assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources, Clause 11, Methods of test for the ignitability of upholstery composites, Ignition source 5.

Comments of the results:

According to the test results, the ignitability performance of the tested sample is as following:

“BS 5852:2006, Clause 11, NI/5”

Test Period:

Sample Receiving Date : JUL. 17, 2023

Test Performing Date : JUL. 17, 2023 TO JUL.21, 2023

Signed for and on behalf of

SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch

Echo Li
Approved Signatory



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Test Conducted

The test was conducted in accordance with BS 5852:2006 Methods of test for assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources, Clause 11, Methods of test for the ignitability of upholstery composites, ignition source 5.

Test Specimen

Sample description	Fabric
Color	Black and Grey
Fabric area density	897 g/m ²

Conditioning

Prior to testing, the fabric specimens were cleansed using a water-soak and drying procedure BS 5852:2006 Annex E, after dried all materials were conditioned at least 72 h in indoor ambient conditions and then immediately before the test for at least 24 h in the atmosphere having a temperature of (23±2)°C and a relative humidity of (50±5)%.

At time of testing: Temperature between 15°C ~ 30°C and Relative humidity between 15% ~ 80%.

Test Result

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.

Clause 4.1.1 Progressive smouldering ignition for upholstery composites	Test result	
For the purposes of testing the ignitability of upholstery composites, all the following types of behaviour shall be deemed to be progressive smouldering ignition.	1 st	2 nd
4.1.1 a) Any test specimen that displays escalating smouldering combustion behaviour so that it is unsafe to continue the test and forcible extinction is required.	No	No
4.1.1 c) Any test specimen that smoulders until it is essentially consumed or that smoulders to the extremities of the specimen, i.e. to/through the full thickness of the specimen, within the duration of the test.	No	No
4.1.1 e) Any test specimen that produces externally detectable amounts of smoke, heat or glowing 60 min after ignition of the crib.	No	No
4.1.1 f) On final examination (clause 13) show evidence of charring within the filling more than 100mm in any direction, apart from upwards, from the nearest part of the original position of the source.	No	No



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Clause 4.2.1 Flaming ignition for upholstery composites	Test result	
For the purposes of testing the ignitability of upholstery composites, all the following types of behaviour shall be deemed to be flaming ignition:	1 st	2 nd
4.2.1 a) Any test specimen that displays escalating flaming combustion behaviour so that it is unsafe to continue the test and forcible extinction is required.	No	No
4.2.1 b) Any test specimen that burns until it is essentially consumed within the test duration.	No	No
4.2.1 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.	No	No
4.2.1 e) Any test specimen that continues to flame for more than 10 min after ignition of the crib.	No	No
4.2.1 g) Any test specimen from which flaming debris causes an isolated floor fire that continues to flame for longer than the time given above.	No	No
Clause 13 Final examination as cases of progressive smouldering undetected from the outside have been reported, immediately after completion of the test programme on the test specimen, dismantle and examine the test specimen for progressive smouldering, if this is present, extinguish the test specimen and record that ignition has occurred for the relevant ignition source, for safety reasons ensure that all smouldering has ceased before the test assembly is left unattended.	No	

Result Details:

Test No.		1 st	2 nd
Duration of	Ignition source (min, s)	2 min 14 s	2 min 19 s
	Flames (min, s)	3 min 37 s	4 min 11 s
	Smoke (min, s)	4 min 22 s	4 min 53 s
Extent of damage of horizontal component	Foam - Width (mm)	62	55
	Foam - Length (mm)	68	73
	Foam - Depth (mm)	29	34
Extent of damage of vertical component	Foam - Width (mm)	77	84
	Foam - Depth (mm)	31	37
Final examination of progressive smouldering (13)		No	No
Overall result		Non-ignition	Non-ignition

Note: At the request of the client, the sample was tested in combination with flame retardant conventional polyurethane foam provided by the laboratory, which has a density of 25.0 kg/m³.



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Statement: The decision rules for statements of conformity (Pass/Fail) have been applied to any results that results in a numerical value and are based on the Probability Conformance of 95% (UKAS LAB 48) agreed with the customer at the contract review stage.

Photo Appendix:



SGS authenticate the photo on original report only

End of Report



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