

Test Report

No. AJFS1811011258FF

Date: NOV.23, 2018

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GABRIEL (TIANJIN) INTERNATIONAL TRADING CO., LTD

ROOM 703, SOUTH TOWER, SOHO SHANGDU, CHAOYANG DISTRICT, BEIJING

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description: MOZART

Color: 67066

Style/Item No.: /

Test Requested:

Flammability in comparison with the requirements of:

1. EN 1021-1:2014 Furniture – Assessment of the ignitability of upholstered furniture Part 1: Ignition source smouldering cigarette.
2. EN 1021-2:2014 Furniture – Assessment of the ignitability of upholstered furniture Part 2: Ignition source match flame equivalent.

Test Results: -- See attached sheet --

Test Period:

Sample Receiving Date : NOV.15, 2018

Test Performing Date : NOV.15, 2018 TO NOV.21, 2018

Signed for and on behalf of
SGS-CSTC Co., Ltd. Anji Branch

Allen Zou
Technical Manager



SGS-CSTC Inspection & Testing Services Co., Ltd.
Anji Branch Harbin

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Sample Details

Sample description	Fabric
Color	Dark green
Fabric density	418 g/m ²

Conditioning and Cleaning procedure:

Prior to testing:

Cleansed using a water-soak and drying procedure EN 1021-1:2014 Annex D, and then the sample was conditioned at least 72 h in indoor ambient conditions and 24 h in an atmosphere having a temperature of 23±2°C and a relative humidity of 50±5%.

At time of testing: Temperature between 10°C ~ 30°C and relative humidity between 15% ~ 80%.

1. Smouldering cigarette test

Test conducted

This test was conducted as per EN 1021-1:2014 Furniture – Assessment of the ignitability of upholstered furniture Part 1: Ignition source smouldering cigarette.

Test Results:

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

Clause 3.1 Progressive smouldering ignition	1 st	2 nd
For the purpose of this European Standard, all the following types of behaviour are considered to be progressive smouldering ignitions		
a) Any test assembly that displays escalating combustion behaviour so that it is unsafe to continue the test and active extinction is necessary;	NO	NO
b) Any test assembly that smoulders until it is largely consumed within the test duration;	NO	NO
c) Any test assembly 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;	NO	NO
d) Whether any test assembly that smoulders after one hour from the application of the ignition source;	NO	NO
e) Any test assembly that, on final examination shows evidence of progressive smouldering.	NO	NO

To be continued...



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Clause 3.2 Flaming ignition	1 st	2 nd
A flaming ignition is considered to be the occurrence of any flames initiated by a smouldering source	NO	NO

Clause 9.3 Final examination: Cases of progressive smouldering ignition undetected from the outside have reported. Immediately after completion of the test programme on the assembly, dismantle it and examine it internally for progressive smouldering ignition, if this is found, extinguish the test assembly, and record an ignition and complete the test report, for safety reason ensure that all smouldering has ceased before the rig is left unattended.	NO
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Test Details:

Cigarette test			
Specimen No.		1 st	2 nd
Progressive smouldering (PS) or Flaming (F)		NO	NO
Duration of	Ignition source (min, sec)	22min16s	23min07s
	Flames (min, sec)	0s	0s
	Smoke (min, sec)	22min29s	23min18s
Final examination of progressive smouldering (9.3)		NO	NO
Comments & observations		--	--
Test result		Non-ignition	Non-ignition

Overall result: [☒] Non-ignition; [☐] Smouldering ignition; [☐] Flaming ignition.

To be continued...



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2. Match-flame equivalent test
Test conducted

This test was conducted as per EN 1021-2:2014 Furniture – Assessment of the ignitability of upholstered furniture Part 2: Ignition source match flame equivalent.

Test Results:

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

Clause 3.1 Progressive smouldering ignition	1 st	2 nd	3 rd
For the purpose of this European Standard, all the following types of behaviour are considered to be progressive smouldering ignitions			
a) Any test assembly that displays escalating combustion behaviour so that it is unsafe to continue the test and active extinction is necessary;	NO	NO	NO
b) Any test assembly that smoulders until it is largely consumed within the test duration;	NO	NO	NO
c) Any test assembly 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;	NO	NO	NO
d) Any test assembly that smoulders after one hour from the application of the ignition source;	NO	NO	NO
e) Any test assembly that, on final examination shows evidence of progressive smouldering.	NO	NO	NO

Clause 3.2 Flaming ignition	1 st	2 nd	3 rd
For the purpose of this European Standard, all the following types of behaviour are considered to be flaming ignitions			
a) Any test assembly that displays escalating combustion behavior so that it is unsafe to continue the test and active extinction is necessary;	NO	NO	NO
b) Any test assembly that burns until it is essentially consumed within the test duration;	NO	NO	NO
c) Any test assembly on which any flame front reaches the lower merge, either side or passes through its full thickness within the duration of the test;	NO	NO	NO
d) Any flaming which continues for more than 120 s after removal of the burner tube.	NO	NO	NO

Clause 9.3 Final examination: Cases of progressive smouldering ignition undetected from the outside have reported. Immediately after completion of the test programme on the assembly, dismantle it and examine it internally for progressive smouldering ignition, if this is found, extinguish the test assembly, and record an ignition and complete the test report, for safety reason ensure that all smouldering has ceased before the rig is left unattended.	NO
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To be continued...

Test Details:

Match flame equivalent test			
Specimen No.	1 st	2 nd	3 rd
Progressive smouldering (PS) or Flaming (F)	NO	NO	NO
Duration of	Ignition source (min, sec)	15s	15s
	After flames (min, sec)	72s	83s
	Smoke (min, sec)	93s	104s
Final examination of progressive smouldering (9.3)	NO	NO	NO
Comments & observations	--	--	--
Test result	Non-ignition	Non-ignition	Non-ignition

Overall result: [☒] Non-ignition; [☐] Smouldering ignition; [☐] Flaming ignition.

Note: The sample was tested on combination with flame retardant conventional polyurethane foam which is provided by the laboratory, which has a density of 25.0 kg/m³. All of these were requested by the client.

Photo Appendix:



SGS authenticate the photo on original report only

End of Report



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