



中国认可  
国际互认  
检测  
TESTING  
CNAS L4743

## Test Report

Report No.: AJFS2409011456FF

Date: OCT.10, 2024

Page 1 of 5

**GABRIEL (TIANJIN) INTERNATIONAL TRADING CO., LTD**

UNIT 06-08, 6F, FORTUNE FINANCIAL CENTER (FFC), NO.5 DONGSANHUAN ZHONG ROAD,  
CHAOYANG DISTRICT, BEIJING, CHINA

**Sample Description:** MILES

**Color:** 60999

**Style/Item No.:** /

**Composition:** 100% POLYESTER

**P.O. / Ref No.:** 07780

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.

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### Test Requested:

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 : SEP.25, 2024

Test Performing Date : SEP.25, 2024 TO SEP.30, 2024

Signed for and on behalf of

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

Echo

Echo Li

Approved Signatory

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Page 2 of 5

## Test Specimen

Sample description	Fabric
Color	Black
Area density of cover	284 g/m <sup>2</sup>

## Conditioning

The client claimed that the fabric had not been chemically treated, the cleansed using a water-soak as described in EN 1021-1:2014 Annex D was not performed.

The specimens were conditioned immediately before the test for 72 h in indoor ambient conditions and then for at least 24 h in an atmosphere having a temperature of 23±2°C and a relative humidity of 50±5%.

## 1. Smouldering Cigarette Test

### Test Conducted

The test was conducted in accordance with 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 combination of materials 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.

3.1 Progressive smouldering ignition	1 <sup>st</sup>	2 <sup>nd</sup>
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
3.2 Flaming ignition	1 <sup>st</sup>	2 <sup>nd</sup>
A flaming ignition is considered to be the occurrence of any flames initiated by a smouldering source.	No	No



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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**Detailed Results**

Test No.		1 <sup>st</sup>	2 <sup>nd</sup>
Progressive smouldering (PS) or Flaming (F)		No	No
Duration of	Ignition source (min, s)	23 min 12 s	24 min 08 s
	Flame (min, s)	0 s	0 s
	Smoke (min, s)	23 min 22 s	24 min 17 s
Final examination of progressive smouldering (9.3)		No	No
Reason for failure		/	/
Comments & observations		No	No
Test result		Non-ignition	Non-ignition

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

## Test Report

Report No.: AJFS2409011456FF

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Page 4 of 5

### 2. Match-flame Equivalent Test

#### Test Conducted

This test was conducted in accordance with 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 combination of materials 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.

Progressive smouldering ignition	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
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

Flaming ignition	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
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



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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### Detailed Results

Test No.		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Progressive smouldering (PS) or Flaming (F)		No	No	No
Duration of	Ignition source (min, s)	15 s	15 s	15 s
	After flame (min, s)	21 s	0 s	0 s
	Smoke (min, s)	52 s	24 s	25 s
Final examination of progressive smouldering (9.3)		No	No	No
Reason for failure		/	/	/
Comments & observations		No	No	No
Test result		Non-ignition	Non-ignition	Non-ignition

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

**Remark:** At the request of the client, the sample was tested in combination with fire retardant polyurethane foam provided by the laboratory, with a density of 25.0 kg/m<sup>3</sup>.

**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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