

## Test Report

No. AJFS1903001551FF

Date: MAR.11, 2019

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SMD GROUP LTD

PITTMAN WAY

FULWOOD

PRESTON

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ENGLAND

PC: PR2 9ZD

The following 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. results apply to the sample as received.

**Sample Description:** LUNAR/CALLISTO

**Density:** VELVET

**Style/Item No.:** LUNAR/CALLISTO

**Composition:** %100 FR POLYESTER

**P.O. / Ref No.:** LUNAR/CALLISTO

**End Use Application:** DRAPES AND UPHOLSTERY

### **Test Requested:**

EN 13773:2003 Incorporating amendment No.1, Textiles and textile products-Burning behaviour-Curtains and drapes.

**Test Results:** -- See attached sheet --

**Conclusion:** The test samples "as received" meet the requirements of Class 1 specified in EN 13773:2003.

### **Test Period:**

Sample Receiving Date : MAR.07, 2019

Test Performing Date : MAR.07, 2019 TO MAR.11, 2019

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



Allen Zou  
Technical Manager



**I. Test conducted**

This test was conducted in accordance with EN 1101 Textiles and textile products-Burning behaviour-Curtains and drapes-Detailed procedure to determine the ignitability of vertically oriented specimen (small flame) and EN 13772 textiles and textile products-burning behaviour – curtains and drapes – measurement of flame spread of vertically oriented specimens with large ignition source, classification according to EN 13773:2003 Textiles and textile products-Burning behaviour-Curtains and drapes.

**II. Sample Details**

Sample description	Sample A: Fabric; Sample B: Fabric
Color	Sample A: Dark Blue and White and Gold; Sample B: Grey
Area density	Sample A: About 265 g/m <sup>2</sup> ; Sample B: About 267 g/m <sup>2</sup>
Products configuration	Single layer
Size of sample	200 mm×80 mm; 560 mm×170 mm

**Cleaning & Conditioning Procedure:**

Cleaning Procedure: None

Conditioning:

Prior to testing, the sample was conditioned at least 24 h in an atmosphere having a temperature of 20±2°C and a relative humidity of 65±5%.

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

**III. Test results**
**Sample A**
**a) EN 1101 (Test method: EN ISO 6940, Edge ignition)**

Sample Number	Lengthwise							
	1	2	3	4	5	6	7	8
Ignition time (s)	1	2	3	4	5	10	15	20
After flame time (s)	0	0	0	0	0	0	0	0
Reaches the top or vertical edges (Yes/No)	No	No	No	No	No	No	No	No
Sample Number	Widthwise							
	1	2	3	4	5	6	7	8
Ignition time (s)	1	2	3	4	5	10	15	20
After flame time (s)	0	0	0	0	0	0	0	0
Reaches the top or vertical edges (Yes/No)	No	No	No	No	No	No	No	No

**Comment :** [       ] Ignition, [    ✓    ] Non-ignition

To be continued....



b) EN 13772 (flame applied time, 10 s; Bottom edge ignition)

**Lengthwise:** Preliminary test to indicate the worst result (if applicable)

Items	Face (one side of sample)	Back (other side of sample)
First thread is severed (Yes (specified time, s) /No)	No	No
Third thread is severed (Yes (specified time, s) /No)	No	No
Damaged length (mm)	69	67
Flaming debris (Yes/No)	No	No
Non-Flaming debris (Yes/No)	No	No

Base on the Preliminary test with indicating the worst result and test the other two specimens in the same way which gave the worst results.

The following test for other two specimens ([  ] Face; [  ] Back)

Items	2 <sup>nd</sup>	3 <sup>rd</sup>
First thread is severed (Yes (specified time, s) /No)	No	No
Third thread is severed (Yes (specified time, s) /No)	No	No
Damaged length (mm)	65	68
Flaming debris (Yes/No)	No	No
Non-Flaming debris (Yes/No)	No	No

**Comment:** 1<sup>st</sup> marker threads not severed and no flaming debris.

**Widthwise:** Preliminary test to indicate the worst result (if applicable)

Items	Face (one side of sample)	Back (other side of sample)
First thread is severed (Yes (specified time, s) /No)	No	No
Third thread is severed (Yes (specified time, s) /No)	No	No
Damaged length (mm)	65	62
Flaming debris (Yes/No)	No	No
Non-Flaming debris (Yes/No)	No	No

To be continued....



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Base on the Preliminary test with indicating the worst result and test the other two specimens in the same way which gave the worst results.

The following test for other two specimens ([  ] Face; [  ] Back)

Items	2 <sup>nd</sup>	3 <sup>rd</sup>
First thread is severed (Yes (specified time, s) /No)	No	No
Third thread is severed (Yes (specified time, s) /No)	No	No
Damaged length (mm)	61	63
Flaming debris (Yes/No)	No	No
Non-Flaming debris (Yes/No)	No	No

**Comment:** 1<sup>st</sup> marker threads not severed and no flaming debris.

**Sample B**

a) EN 1101 (Test method: EN ISO 6940, Edge ignition)

Sample Number	Lengthwise							
	1	2	3	4	5	6	7	8
Ignition time (s)	1	2	3	4	5	10	15	20
After flame time (s)	0	0	0	0	0	0	0	0
Reaches the top or vertical edges (Yes/No)	No	No	No	No	No	No	No	No
Sample Number	Widthwise							
	1	2	3	4	5	6	7	8
Ignition time (s)	1	2	3	4	5	10	15	20
After flame time (s)	0	0	0	0	0	0	0	0
Reaches the top or vertical edges (Yes/No)	No	No	No	No	No	No	No	No

**Comment :** [  ] Ignition, [  ] Non-ignition

To be continued....



b) EN 13772 (flame applied time, 10 s; Bottom edge ignition)

Lengthwise: Preliminary test to indicate the worst result (if applicable)

Items	Face (one side of sample)	Back (other side of sample)
First thread is severed (Yes (specified time, s) /No)	No	No
Third thread is severed (Yes (specified time, s) /No)	No	No
Damaged length (mm)	68	67
Flaming debris (Yes/No)	No	No
Non-Flaming debris (Yes/No)	No	No

Base on the Preliminary test with indicating the worst result and test the other two specimens in the same way which gave the worst results.

The following test for other two specimens ( [  ] Face; [  ] Back)

Items	2 <sup>nd</sup>	3 <sup>rd</sup>
First thread is severed (Yes (specified time, s) /No)	No	No
Third thread is severed (Yes (specified time, s) /No)	No	No
Damaged length (mm)	69	63
Flaming debris (Yes/No)	No	No
Non-Flaming debris (Yes/No)	No	No

**Comment:** 1<sup>st</sup> marker threads not severed and no flaming debris.

Widthwise: Preliminary test to indicate the worst result (if applicable)

Items	Face (one side of sample)	Back (other side of sample)
First thread is severed (Yes (specified time, s) /No)	No	No
Third thread is severed (Yes (specified time, s) /No)	No	No
Damaged length (mm)	63	66
Flaming debris (Yes/No)	No	No
Non-Flaming debris (Yes/No)	No	No

To be continued....



Base on the Preliminary test with indicating the worst result and test the other two specimens in the same way which gave the worst results.

The following test for other two specimens ([  ] Face; [  ] Back)

Items	2 <sup>nd</sup>	3 <sup>rd</sup>
First thread is severed (Yes (specified time, s) /No)	No	No
Third thread is severed (Yes (specified time, s) /No)	No	No
Damaged length (mm)	61	63
Flaming debris (Yes/No)	No	No
Non-Flaming debris (Yes/No)	No	No

**Comment:** 1<sup>st</sup> marker threads not severed and no flaming debris.

### Additional Information for reference

#### 1) Class definitions

Class	Ignitability	Flame spread
1	Non ignition according to EN 1101	1 <sup>st</sup> marker threads not severed, no flaming debris, according to EN 13772
2	Non ignition according to EN 1101	3 <sup>rd</sup> marker threads not severed, no flaming debris, according to EN 13772
3	Non ignition according to EN 1101	3 <sup>rd</sup> marker threads severed, and/or flaming debris, according to EN 13772
4	Ignition according to EN 1101	3 <sup>rd</sup> marker threads not severed, no flaming debris, according to EN 1102
5	Ignition according to EN 1101	3 <sup>rd</sup> marker threads severed, and/or flaming debris, according to EN 1102

#### 2) Criteria for class allocation

Class allocation according to class number is given hereafter:

- 1) If at least two specimens (out of six) give a result (severing the marker thread and/or flaming debris) belonging to a higher number class the material shall be given in this higher class.
- 2) If only one specimen (out of six) gives a result (severing the marker thread or flaming debris) belonging to a higher number class, 3 new extra specimens shall be tested in the same direction as the one giving the worst result.
- 3) If none of these new specimens gives a result belonging to the higher number class the material shall be classified in the lower number class
- 4) If at least one of the extra specimens tested gives a result belonging to the higher number class the material shall be given this class.

To be continued...



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**Statement:**

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

**Photo Appendix:**



SGS authenticate the photo on original report only

\*\*\*End of Report\*\*\*

