



No. SHSL1212284672-1TX

Date: Jan 05, 2012

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WU JIANG QIAN SI FANG TEXTILE CO., LTD NO.6 EAST SECTION 2 EAST GARDEN, SHENGZE TOWN, WUJIANG CITY, JIANGSU PROVINCE, CHINA

THIS REPORT CANCELS AND SUPERSEDES THE TEST REPORT NO. SHSL1212284672TX DATE: Dec 28, 2012 ISSUED BY SGS (SHANGHAI)

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

Sample Description

Woven fabric: 100%polyester in beige for curtain

Manufacturer

WU JIANG QIAN SI FANG TEXTILE CO., LTD

**Test Performed** 

Selected test(s) as requested by applicant

Sample Receiving Date

Dec 05, 2012

**Testing Period** 

Dec 10, 2012 TO Dec 28, 2012

For further details, please refer to the following page(s). Test Result(s)

Signed for and on behalf of SGS-CSTC Ltd.

Tina Xi

Account Executive

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Test Result

Flammability Test

# Test Requested:

To determine the flammability (building materials class B1) in accordance with DIN 4102-1 (May 1998) Fire behaviour of building materials and elements Part 1: Classification of building materials, Requirements and testing

### Test conducted

This test was conducted as per DIN 4102-15:1990 DIN 4102-16:1998 and DIN 4102-1:1998 Clause 6.2. Classification in according to DIN 4102-1 (May 1998) Clause 6.1-Class B1 materials

# Sample details

General description	1-F-W IN BEIGE	
Density / Color	About 263g/m² / Beige	
Size of sample	1000mmx190mm, 250mmx90mm	

### Conditioning

Prior to testing, the sample was conditioned at least 14 days to constant mass at a temperature of 23 ± 2 °C, and a relative humidity of 50 ± 6 %.

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III. Test results

1) "Brandschacht" Test according to DIN 4102-15 &16

Exposed surface: The Front face

	Results of "Brandschacht" Test (part 1)						
Line		Unit	Test assemblies No.				
No.		Offic	Lengthwise	Widthwise			
1	Specimen fixings according to DIN 4102 part 15, table	1	1	1			
2	Max. flame height above lower sample edge;	cm	20	20			
3	Time 1)	min:s	0:18	0:21			
	Melting/burning through	197 L		A 7 65			
4	Time 1)	min:s	0.17	0.18			
	Back of specimen		Y (9				
5	Flaming/glowing, Time 1)	min:s	0.17	0.18			
6	Discolouring, Time 1)	min:s	0.16	0.17			
	Burning droplets		No	No			
7	Begin 1)	min:s	1	1			
	Amount		1 5	1			
8	Specimen material falling off in separate droplets		1	1			
9	Specimen material falling off continuously		1	1			

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Testing Cent. (A.G., S.E.S. V.)



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Line		Test assemblies No.			
No.		Unit	Lengthwise	Widthwise	
	Burning parts		No	No	
10	Begin 1)	min:s	1	1 -	
11	Parts of sample falling off separately		1	1	
12	Parts of sample falling off continuously		1	1	
13	Duration of continued combustion on mesh base (max.)	min:s	No	No	
G <sub>0</sub>	Burner flame impairment by dripping/falling material	169	No	No	
14	Time 1)	min:s	1	1	
	Premature ending of test		1	1	
15	End of burning at specimen 1)	min:s	1	1	
16	Time when test terminated (if applicable) 1)	min:s	1	1	
	Burning after end of test		No	No	
17	Duration	min:s	1	1	
18	Number of specimens	200	1		
19	Front of specimen		1	1	
20	Back of specimen		1	1	
21	Height of flame	cm	1	1	
	Glowing after end of test	199	No	No	
22	Duration	min:s	1	1	
23	Number of specimens		1	1	
24	Front of specimen	263	1	1	
25	Back of specimen		1	1	
26	Top half of specimen	, Es	1	1	
27	Bottom half of specimen		1	1	

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		Brandschacht" Test	Test assemblies No.			
Line No.		Unit	Lengthwise		Widthwise	
	Residual length			00	00	81
28	Single results	cm	82 83	83 82	82 82	83
29	Average of the single results	cm	82.5		82	
	Smoke temperature	200	111 10:00		112 10:00	
30	Max. of average  Time 1)	°C min:s				

Note: 1) time from start of testing

2) Normal Flammability Test according to DIN 4102-1 Clause 6.2

Flame application: [ \[ \] ] bottom edge ignition, [

] surface ignition

√ ] Lengthwise (if applicable)  Specimen No.	1	2	3	4	5
Reaching the measuring mark within 20 seconds	No	No	No	No	No
Self extinguishing of the flame (s)	15	15	15	15	15
Max. flame height (cm)	7	7	6	8	7
End of afterflaming (s)	15	15	15	15	15
End of afternaming (s)  End of afterglowing (s)	15	15	15	15	15
	No	No	No	No	No
Molten dripping  Smoke developments (visual impression)	Slight				

1	2	3	4	5
		NI.	No	No
No	N₀.	No	NO	140
15	15	15	15	15
7	6	8	7	8
15	15	15	15	15
15	15	15	15	15
	No	No	No	No
110				3
Slight				
	No 15 7	No No No 15 15 7 6 15 15 15 15	No     No       15     15       15     15       7     6       15     15       15     15       15     15	No         No         No         No           15         15         15         15           7         6         8         7           15         15         15         15           15         15         15         15           No         No         No         No

All timings are from start of testing

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Criteria for classification for Class B1 (DIN 4102-1 Clause 6.1.2)

All materials, except flooring, may be classed as B1 materials if they met,

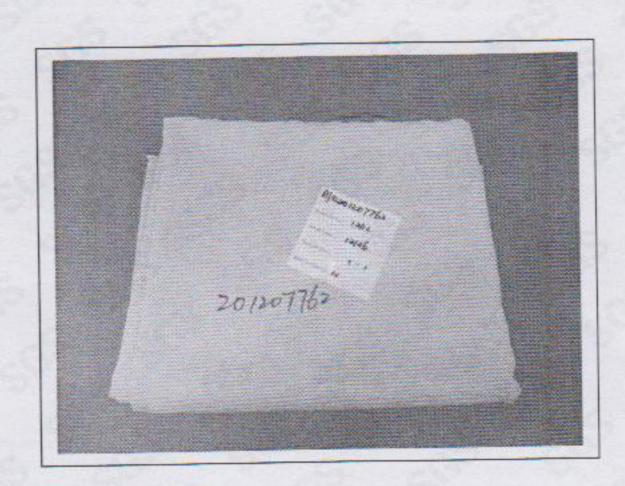
- Pass DIN 4102-16 "brandschacht" test if
  - 1) The mean value for the residual length of each specimen is at least 15 cm, and no individual values are lower than 0 cm;
  - The mean effluent temperature does not exceed 200°C in any test;
  - The requirement for the residual length of each specimen is met even where there is afterflame, afterglow, or smouldering.
- b) Pass DIN 4102-1 Clause 6.2.3 Ignitability Test if, For each specimen, flaming doesn't reach the gage mark within 20s after flame application.

## STATEMENTS:

This test report does not replace any mandatory certification of the product that may be required.

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire and smoke hazard of the product in use.

#### Photo Appendix:



#### Conclusion:

The tested sample meets the low flammability requirements of class B1 of building materials under DIN 4102-1 (May 1998).

This test was carried out by SGS Anji flammability lab.

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

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