



## TEST REPORT

No. : TJIN1511012607PS-01

Date : Nov 30, 2015

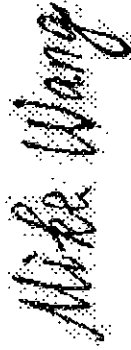
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CUSTOMER NAME: WEI FANG HENGCAI DIGITAL PHOTO MATERIALS CO., LTD  
 ADDRESS: YISHAN ROAD, LINQU SHANDONG PROVINCE, CHINA

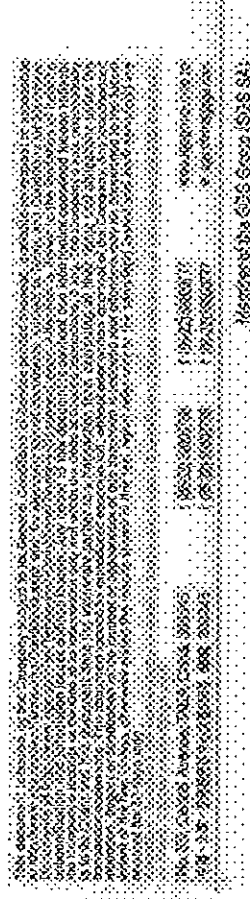
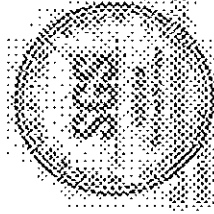
The following sample(s) was/ were submitted and identified on behalf of the client as:

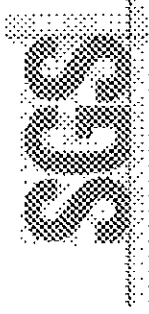
Sample Name : Textile Pearl Backlit Fabric  
 SGS Ref. No. : AJHG1511009941FB  
 Product Specification : 1.52MX6M  
 Manufacturer : WEIFANG HENGCAI DIGITAL PHOTO MATERIALS CO.,LTD  
 Material and Mark : 100%polyester  
 Date of Receipt : Nov 03, 2015  
 Testing Start Date : Nov 03, 2015  
 Testing End Date : Nov 30, 2015  
 Test result(s) : For further details, please refer to the following page(s)

Signed for  
 SGS-CSTC Standards Technical  
 Services(Tianjin) Co., Ltd



Mike Wang  
 Authorized signatory





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### 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

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

### Test Results:

#### I. Test conducted

This test was conducted as per DIN 4102-15:1990 DIN 4102-16:1998 and DIN 4102-1:1998 Clause 6.2.

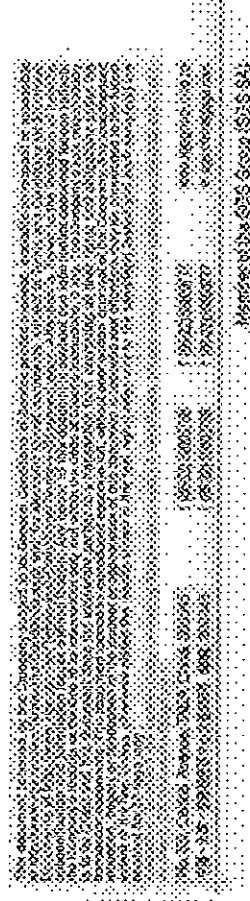
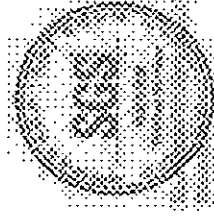
Classification in according to DIN 4102-1 (May 1998) Clause 6.1-Class B1 materials.

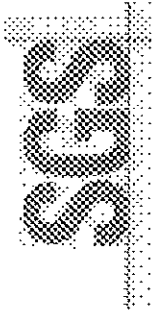
#### II. Sample details

General description / Color	TEXTILE PEARL BACKLIT FABRIC / White
Density	198g/m <sup>2</sup>
Size of sample	1000mmx190mm & 190mmx90mm

#### Conditioning

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





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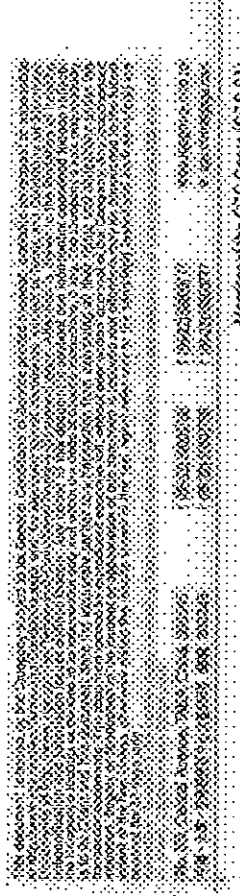
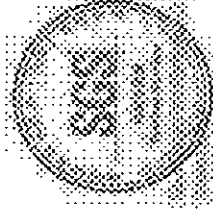
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### III. Test results

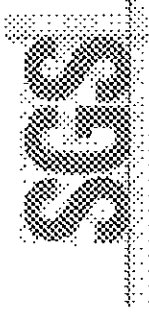
1) "Brandschacht" Test according to DIN 4102-15 &16

Exposed surface: The front face

Results of "Brandschacht" Test (part 1)						
Line No.	Unit	Test assemblies No.				
		A	B	C	D	
1	Specimen fixings according to DIN 4102 part 15, table	1				
2	Max. flame height above lower sample edge;	40				
3	Time <sup>1)</sup>	0:09				
4	<u>Melting/burning through</u> Time <sup>1)</sup>	/				
5	<u>Back of specimen</u> Flaming/glowing, Time <sup>1)</sup>	/				
6	Discolouring, Time <sup>1)</sup>	0:03 0:01				
7	<u>Burning droplets</u> Begin <sup>1)</sup> Amount	NO / /				
8	Specimen material falling off in separate droplets	/				
9	Specimen material falling off continuously	/				







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Results of "Brandschacht" Test (part 3)						
Line No.	Unit	Test assemblies No.				
		A	B	C	D	
	<u>Residual length</u>					
28	Single results	72	70			
29	Average of the single results	68	74			
		71				
	<u>Smoke temperature</u>					
30	Max. of average	158.6				
31	Time <sup>1)</sup>	08:45				

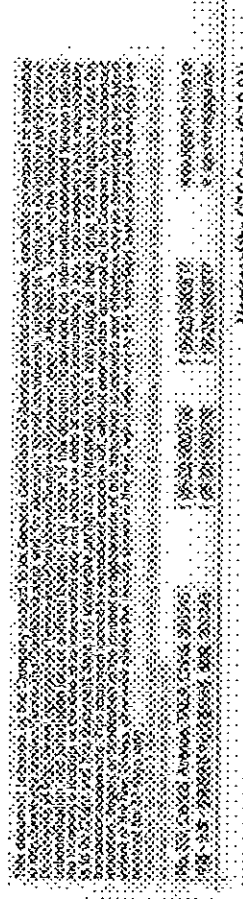
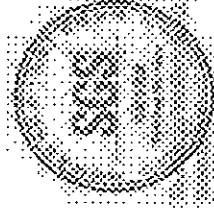
Note: 1) time from start of testing

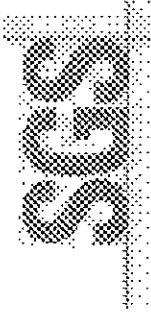
2) Normal Flammability Test according to DIN 4102-1 Clause 6.2

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

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)	5	7	5	3	5
End of afterflaming (s)	15	15	15	15	15
End of afterglowing (s)	15	15	15	15	15
Molten dripping	No	No	No	No	No
Smoke developments (visual impression)	Slight				

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,

- a) 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;
  - 2) The mean effluent temperature does not exceed 200 °C in any test;
  - 3) 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.

