

ATGRAPHIX BV, De Limiet 20a, Vianen, The Netherlands

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

Sample Description: POLYESTER FABRIC WITH COATING

Type/Style: SABINE

Color: WHITE

Density: 190gsm

Thickness: 230µm

Composition: 55% POLYESTER, 45% COATING

Supplier: ATGRAPHIX BV, De Limiet 20a, Vianen, The Netherlands

Manufacturer: Supplied by ATgraphix

Country of Origin: CHINA

Country of Destination: EUROPE

End Use Application: INKJET MEDIA

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 Results: -- See attached sheet --

Conclusion:

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

Test Period:

Sample Receiving Date : NOV.07, 2014

Test Performing Date : NOV.07, 2014 TO NOV.21,

Signed for and on behalf of 2014

SGS-CSTC Co., Ltd. Anji Branch



Allen Zou
Technical Manager



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Test Report

No. AJHG1411003062FB

Date: NOV.24, 2014

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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

| | |
|-----------------|-------------------------------|
| Name | POLYESTER FABRIC WITH COATING |
| Density / Color | 190g/m ² / White |
| Size of sample | 1000mm×190mm; 190mm×90mm |

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 %.

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. | | |
| | | Lengthwise | Widthwise | |
| 1 | Specimen fixings according to DIN 4102 part 15, T ₁ | / | 1 | 1 |
| 2 | Max. flame height above lower sample edge; | cm | 40 | 40 |
| 3 | Time ¹⁾ | min:s | 0:27 | 0:38 |
| 4 | <u>Melting/burning through</u> Time ¹⁾ | min:s | 0:17 | 0:18 |
| 5 | <u>Back of specimen</u> Flaming/glowing, Time ¹⁾ | min:s | 0:17 | 0:18 |
| 6 | Discolouring, Time ¹⁾ | min:s | 0:18 | 0:19 |
| 7 | <u>Burning droplets</u> Begin 1) | min:s | No | No |
| | <u>Amount</u> | | / | / |
| 8 | Specimen material falling off in separate droplets | | / | / |
| 9 | Specimen material falling off continuously | | / | / |

To be continued...



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| Results of "Brandschacht" Test (part 2) | | | |
|---|---|---------------------|-----------|
| Line No. | Unit | Test assemblies No. | |
| | | Lengthwise | Widthwise |
| 10 | <u>Burning parts</u> Begin 1) | No / | No / |
| 11 | Parts of sample falling off separately | / | / |
| 12 | Parts of sample falling off continuously | / | / |
| 13 | Duration of continued combustion on mesh base (min:s) | No | No |
| 14 | <u>Burner flame impairment by dripping/falling material</u> Time ¹⁾ | No / | No / |
| 15 | <u>Premature ending of test</u> End of burning at specimen ¹⁾ | / | / |
| 16 | Time when test terminated (if applicable) ¹⁾ | / | / |
| 17 | <u>Burning after end of test</u> Duration | No / | No / |
| 18 | Number of specimens | / | / |
| 19 | Front of specimen | / | / |
| 20 | Back of specimen | / | / |
| 21 | Height of flame cm | / | / |
| 22 | <u>Glowing after end of test</u> Duration | No / | No / |
| 23 | Number of specimens | / | / |
| 24 | Front of specimen | / | / |
| 25 | Back of specimen | / | / |
| 26 | Top half of specimen | / | / |
| 27 | Bottom half of specimen | / | / |

To be continued...



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Results of "Brandschacht" Test (part 3)

| Line No. | Unit | Test assemblies No. | | | |
|----------|-------------------------------|---------------------|----|-----------|----|
| | | Lengthwise | | Widthwise | |
| 28 | <u>Residual length</u> | | | | |
| | Single results | 67 | 68 | 68 | 67 |
| | | 67 | 66 | 69 | 68 |
| 29 | Average of the single results | 67 | | 68 | |
| 30 | <u>Smoke temperature</u> | | | | |
| | Max. of average | 139 | | 141 | |
| 31 | Time ¹⁾ | 10:00 | | 10:00 | |

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) | 12 | 11 | 12 | 13 | 12 |
| 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 | | | | |

[] Widthwise (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) | 12 | 13 | 10 | 13 | 12 |
| 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 | | | | |

To be continued...



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All timings are from start of testing

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 after flame, 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:



SGS authenticate the photo on original report only

End of Report



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