

NO. AJHL1608008903FB

Date: SEP.06, 2016

Page 1 of 6

A. BERGER GMBH

KUHLESHUETTE 84, 47809 KREFELD, GERMANY

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

Sample Description: 100% POLYESTER WITH COATING

Color: WHITE

Composition: 100% POLYESTER

Style/Item No.: 04384-6565 SAMBA DOUBLE FR

P.O. / Ref No .: SX16040

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 --

Classification: The tested sample meets class B1 building materials requirements of DIN 4102-1 (May

1998).

Test Period:

Sample Receiving Date

AUG.17, 2016

Test Performing Date

AUG.17, 2016 TO AUG.30, 2016

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



Allen Zou Technical Manager



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NO. AJHL1608008903FB

Date: SEP.06, 2016

Page 2 of 6

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

II. Sample details

General description / Color	100% POLYESTER WITH COATING / White
Density	About 363 g/m ²
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 \pm 2 °C, and a relative humidity of 50 \pm 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 Unit		Test assemblies No.					
No.		Offic	Α	В	С	D	
1	Specimen fixings according to DIN 4102 part 15, table	-					
2	Max. flame height above lower sample edge;	cm	50			- 100	
3	Time 1)	min:s	00:25		KA NOV		
	Melting/burning through				A N		
4	Time 1)	min:s	00:09				
	Back of specimen					300	
5	Flaming/glowing, Time 1)	min:s	00:10	A 1,25			
6	Discolouring, Time 1)	min:s	80:00		arrive.		
	Burning droplets				FER		
7	Begin 1)	min:s	00:20				
	<u>Amount</u>				- 35	A COLUMN	
8	Specimen material falling off in separate droplets		/		Carlo B		
9	Specimen material falling off continuously		1		122-17	(Man May)	

To be continued....



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NO. AJHL1608008903FB

Date: SEP.06, 2016

Page 3 of 6

	Results of "Brandscha	acht" Tes	t (part 2)			
		Test assemblies No.				
No.		Onit	Α	В	С	D
	Burning parts				1	
10	Begin 1)	min:s	00:17			
11	Parts of sample falling off separately		/		1 3/0 /	19-23
12	Parts of sample falling off continuously		√			To the
13	Duration of continued combustion on mesh base (max.)	min:s	NO			
	Burner flame impairment by dripping/falling material		NO		The same	100
14	Time 1)	min:s	/			
	Premature ending of test		1			Maria de
15	End of burning at specimen 1)	min:s	1	1 26	150 50 1	1000
16	Time when test terminated (if applicable) 1)	min:s	/			
	Burning after end of test		NO			
17	Duration	min:s	/		377	
18	Number of specimens		/			
19	Front of specimen		/	8.75 Tile	130	
20	Back of specimen		/			
21	Height of flame	cm	1		10000	
	Glowing after end of test		NO	D. Hall		
22	Duration	min:s	/	A Vist	AND REAL	1317
23	Number of specimens		/		San S	
24	Front of specimen		/	15 1-17	A	
25	Back of specimen		/	3000		
26	Top half of specimen		/	1 5 15-2		
27	Bottom half of specimen		1			

To be continued....



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Test Report	NO. AJHL1608008903FB	Date: SEP.06, 2016	Page 4 of 6
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	Results of "Brand	schacht" Tes	t (parl	3)			
Line		Unit	Test assemblies No.				
No.		Onit	Α		В	С	D
	Residual length				12,3		
28	Single results	cm	66	71			
20	20 Single results	CIII	69	65			
29	Average of the single results	cm	6	7			
	Smoke temperature						
30	Max. of average	\mathbb{C}	14	7.2			1 12 5
31	Time ¹⁾	min:s	07:	50			

Note: 1) time from start of testing

Class B1 materials:

If the residual length measured after the first test is 45cm or greater, further tests are not required.

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

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

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

All timings are from start of testing.

To be continued....



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^{*}Reduction in number of test (DIN 4102 Part 16, clause 5.2)



NO. AJHL1608008903FB

Date: SEP.06, 2016

Page 5 of 6

IV. DIN 4102-1:1998 Criteria for classification

- 1) All materials, except flooring, may be classed as **B1** materials if they meet the following requirements a) and b):
- a) The test using the 'Brandschacht' apparatus described in DIN 4102-15 (cf. subclause 6.1.3.1) shall be deemed passed if
- The mean value for the residual length (portion of specimen that has not burned or charred; cf. subclause
- 9.1 of DIN 4102-16) 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: 1998 sub-clause 6.2.3 Ignitability Test if

For each specimen, flaming doesn't reach the gage mark within 20s after flame application.

 Materials may be classed as B2 materials if they pass the ignitibility test specified in DIN 4102-1: 1998 subclause 6.2.5.

For each specimen, flaming doesn't reach the gage mark (150mm marks) within 20s after flame application.

3) Combustible materials which cannot be classed as B1 or B2 materials shall be classed as B3 materials.

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.

To be continued....



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NO. AJHL1608008903FB

Date: SEP.06, 2016

Page 6 of 6

Photo Appendix:



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End of Report



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