

Test Report

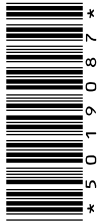
No. 5019087

Date: 28/10/2020

ADO Goldkante GmbH & Co. KG
Zimmersmühlenweg 14-18
DE-61440 Oberursel
Germany

The following sample(s) was (were) submitted and identified by the client as:

Original Sample ID	Sample Description	Sample Receipt Date
200985011	Fabric sample Balda, Article No 10-A3493-200-300-66	01/10/2020



SGS Customer No : 10178516
 SGS Order No : 5519324
 Test Report Version : 1
 Buyer : -
 Order No. : 3448944 dt. 29/09/2020
 Country of Origin : -
 Test Performing Period : 02/10/2020 – 28/10/2020
 Test Performed : Selected test(s) as requested by applicant
Overall Conclusion : The tested sample meets class B1 building materials requirements of DIN 4102-1 (May 1998).
 Test Results : Please refer to the next pages

SGS INSTITUT FRESENIUS GmbH

This test report was electronically created and released:

	date	name	function	department
created	28.10.2020	i.A. Semra Sen	Customer Service Assistant	Consumer and Retail Non Food
released	28.10.2020	i.A. Melissa Henkes	Customer Service Consultant	Consumer and Retail Non Food

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Performed Test Summary:

Test	Result
Flammability*	-

Remarks:

- M = Meets Client's requirement
- F = Does not meet Client's requirement
- I = Inconclusive
- = No specified requirement

Note: Conclusions on pass/fail are based on the test result from the actual sampling of the received sample(s).

Conclusions are based on the relevant requirements; measurement uncertainties are not taken into account. Only results above the relevant detection limit are taken into account for the calculation of sums.

Test was conducted on composite of random parts of the item as per client's request and the test result is the overall result.

The composite sampling method is based on the client's special request and is a modification from the testing standard.

For 2-composite mix with results exceeding one half of the relevant requirements or 3-composite mix with results exceeding one third of the relevant requirements, the composite sample may have the possibility of one or more components that can lead to a failure result, it is recommended to test on individual basis.

Component List

Component No	Component-ID	Description	Color(s)	Material	Original Sample ID
1	200987176	main fabric	white	100% polyester	200985011

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Analytical results

Flammability

I. Test conducted

This test was conducted as per DIN 4102-15:1990 & DIN 4102-16:2015 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

Component No	1
General description	Fabric
Color	White
Area Density	72 g/m ²
Size of sample	190mm×1000mm & 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 ± 5 %.

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, table	/	/	/
2	Max. flame height above lower sample edge;	cm	40	40
3	Time ¹⁾	min:s	00:13	00:21
	<u>Melting/burning through</u>	Yes	Yes	
4	Time ¹⁾	min:s	00:01	00:01
	<u>Back of specimen</u>	Yes	Yes	
5	Flaming/glowing, Time ¹⁾	min:s	00:01	00:01
6	Discolouring, Time ¹⁾	min:s	00:01	00:01
	<u>Burning droplets</u>	No	No	
7	Begin 1)	min:s	/	/
	<u>Amount</u>	/	/	/
8	Specimen material falling off in separate droplets	/	/	/
9	Specimen material falling off continuously	/	/	/

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Results of "Brandschacht" Test (part 2)

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

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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	61	60	67	64
		59	63	62	63
29	Average of the single results	60.8		64.0	
30	<u>Smoke temperature</u>	/		/	
	Max. of average	139.3		142.6	
		/		/	
31	Time ¹⁾	04:19		04:51	

Note: ¹⁾ time from start of testing

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

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

Edge ignition

Fire application time: 15s

Parameter	Lengthwise					Crosswise				
	1	2	3	4	5	6	7	8	9	10
Whether or not flaming extinguished before reach the gauge mark (Yes/No)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Whether or not flaming reach the measuring mark within 20 seconds (Yes/No)	No	No	No	No	No	No	No	No	No	No
Time for the flame tip to reach the gauge mark (s)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Afterflame time (s)	0	0	0	0	0	0	0	0	0	0
Max. flame height (cm)	4	3	3	5	5	4	3	4	4	3
Molten dripping (Yes/No)	No	No	No	No	No	No	No	No	No	No
Smoke developments (visual impression)	Slight					Slight				

Note: NA---Not applicable

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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.
- 2) Materials may be classed as **B2** materials if they pass the ignitability 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 declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

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.

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Attachment: Picture of sample



*** End of test report ***

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