

TEST REPORT

Job No./Report No TR1751792-RV1

Date:6 August 2020

Page 1 of 7

ADO GOLDKANTE GMBH & CO.KG

ZIMMERSMUHLENWEG 14-18 61440 OBERURSEL GERMANY

TEL: -

FAX: -

To the attention of Melike Altuna

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

Sample No.	Sample Description
A	Woven fabric in black-white (Claimed to be Merlin 8006)

Client's reference No. : TR 1751792-RV1
 Buyer : Not Provided
 Order No. : Not Provided
 Model/Style No. : MERLIN 8006
 Article No. : MERLIN 8006
 Age Grade : Not Provided
 Manufacturer : ADO GOLDKANTE GMBH & CO.KG
 Country of Origin : TURKEY
 Country of Destination : EUROPE
 Shipment Date : Not Provided
 Fiber Composition : Claimed to be 100% Polyester
 Fabric Weight : Claimed to be 48,3 g/m²
 End Use : Not Provided
 Agency : Not Provided
 Sample Receiving Date : 1 July 2020
 Test Performing Period : 1 July 2020 ~ 28 July 2020
Submitted Care Label Instructions : Not Provided

Overall Conclusion : **PASS**
 Test Results : Please refer to the next page(s).
Performed Test Summary: Selected test(s) as requested by client against Client's performance standard.

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TEST REPORT

Job No./Report No TR1751792-RV1

Date:6 August 2020

Page 2 of 7

Test Parameters	Result
Chemical tests	A1
Flammability Test	M

Remarks	:	M = Meets client's requirement
		F = Exceed client's requirement
		I = Inconclusive
		* = No specified requirement
Notes:	Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s).	
	Residual sample can be returned to client if requested.	

The test results relate to the tested items only.
Test reports without SGS seal and authorised signatures are invalid.

Issued in Istanbul
Signed for and on behalf of
SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

**IN THIS REVISED-1 REPORT, COMPANY NAME, ADDRESS INFORMATION, MANUFACTURER WERE CHANGED BY THE REQUEST OF THE APPLICANT.
THIS REPORT SUPERSEDES OUR REPORT NO: 1751792 DATED 28.07.2020**

Doğan Kaya Customer Services Supervisor Bilal Kılaz Customer Services Manager





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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.

I. Sample details

General description	Fabric
Color	Beige and Grey
Area Density	About 54 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 %.

II. 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	/	1	1
2	Max. flame height above lower sample edge;	cm	40	40
3	Time ¹⁾	min:s	00:01	00:01
4	<u>Melting/burning through</u> Time ¹⁾	min:s	00:01	00:01
5	<u>Back of specimen</u> Flaming/glowing, Time ¹⁾	min:s	00:01	00:01
6	Discolouring, Time ¹⁾	min:s	00:01	00:01
7	<u>Burning droplets</u> Begin 1) <u>Amount</u>	min:s	No / /	No / /

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TEST REPORT

Job No./Report No TR1751792-RV1

Date:6 August 2020

Page 4 of 7

8	Specimen material falling off in separate droplets	/	/
9	Specimen material falling off continuously	/	/

To be continued...

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	/	/

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Job No./Report No TR1751792-RV1

Date:6 August 2020

Page 5 of 7

26	Top half of specimen	/	/
27	Bottom half of specimen	/	/

Results of "Brandschacht" Test (part 3)					
Line No.	Unit	Test assemblies No.			
		Lengthwise		Widthwise	
	<u>Residual length</u>	/		/	
28	Single results	70	72	69	72
		73	71	70	70
29	Average of the single results	71.5		70.3	
	<u>Smoke temperature</u>	/		/	
30	Max. of average	129.6		137.4	
31	Time ¹⁾	06:06		06:43	

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

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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)	2	2	3	2	2	1	2	2	1	2
Molten dripping (Yes/No)	No	No	No	No	No	No	No	No	No	No
Smoke developments (visual impression)	Slight					Slight				

Note: NA---Not applicable

III. 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.

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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.

** : This test has been performed at SGS Hong Kong laboratory as subcontract.



* * * End of Test Report * * *

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