

Test laboratory for the fire behavior of building materials
Testing, supervising and certifying body, authorized by the building supervision authority

TEST REPORT

PZ-Hoch-260066

for the proof of Fire behaviour according to DIN 4102, part 1

Translation of the German test report – no guarantee for translation of technical terms

company	SAINT CLAIR TEXTILES 415, avenue de Savoie F-38110 Saint Clair de la Tour
description of samples	fabric consisting of Polyester with PVC coating on both sides, in 3 different colours
name of the material	„SUNVIEW 05W”
sampling	by the company itself
content of request	Proof of flammability to classify building materials to class B1 “schwerentflammbar” according to DIN 4102, part 1
validity of test report	31.01.2031
result	The examined product meets in white, beige tones and grey tones the requirements of class B1 for “schwerentflammbare” (hardly flammable) building materials according to DIN 4102, part 1 (May 1998), suspended freely or with distance of >40 mm to same or other plain materials.

This test report includes 5 pages and 7 enclosures.

Remark: If the above mentioned building material is not used as product according to MBO § 2, Abs. 10, there is no need for a general building supervisory test report.

This test report does not replace an eventually necessary proof of applicability concerning building supervisory or building laws in the meaning of state building prescriptions. This has to be verified by:

- “allgemeine bauaufsichtliche Zulassung” (general building inspectorate approval) or by
- „allgemeines bauaufsichtliches Prüfzeugnis“ (general building inspectorate certificate) or by
- “Zustimmung im Einzelfall” (exceptional approval)

This test report can underlie building supervisory procedures

- for regular building products for the prescribed proofs of conformity
- for non-regular building products for the needed proofs of applicability.

This test report must not be published and copied without preceding agreement of the test laboratory and if agreed, only during validity and unchanged concerning appearance and contents.

1. Description of test material in condition as delivered

PN 43249: „SUNVIEW 05W“ colour: white

-fabric consisting of Polyester with PVC coating on both sides-
side A: a little bit smoother surface

characteristic values determined by the test laboratory:

area weight: about 469 g/m² thickness: about 0,50mm

PN 43250: „SUNVIEW 05W“ colour: grey

-fabric consisting of Polyester with PVC coating on both sides-
side A: a little bit smoother surface

characteristic values determined by the test laboratory:

area weight: about 485 g/m² thickness: about 0,55mm

PN 43254: „SUNVIEW 05W“ colour: beige

-fabric consisting of Polyester with PVC coating on both sides-
side A: a little bit smoother surface

characteristic values determined by the test laboratory:

area weight: about 485 g/m² thickness: about 0,49mm

The testing laboratory is not provided with further details concerning composition of the tested building materials. Samples are deposited.

2. Preparation of samples

The samples were kept in climate chamber 23/50 until they reached constant weight.

3. Arrangement of samples mounting: freely suspended

#1289:	flaming side A in warp direction	beige
#1290:	flaming side B in warp direction	beige
#1291:	flaming side A in weft direction	beige
#1293:	flaming side A in warp direction	grey
#1294:	flaming side A in warp direction	white

4. Date of test

CW 03 and 04 in 2026

5. Results The test has been examined according to DIN 4102 (Mai 1998)

line no.	Measurement	Result with the tested specimen					Dim.
	Test number	#1289	#1290	#1291	#1293	#1294	
	flaming direction / side	warp / A	warp / B	weft / A	warp / A	warp / A	
	colour of fabric	beige		grey	white		
1	Number of specimen arrangement acc. to. DIN 4102/T15, schedule 1	1	1	1	1	1	
2	Maximum flame height above bottom edge of the specimen	40	40	40	50	50	cm
3	Time ¹⁾	0:07	0:06	0:06	0:06	0:06	min:s
4	Burn through / melting Time ¹⁾	0:11	0:09	0:11	0:09	0:08	min:s
5	Observations on the back side of the specimen Flames / Glowing Time ¹⁾	---	---	---	---	---	min:s
6	Change of colour Time ¹⁾	./.	./.	./.	./.	./.	min:s
7	Falling of burning droplets Start ¹⁾	./.	./.	./.	./.	./.	min:s
8	Extent sporadic falling of burning droplets ²⁾	---	---	---	---	---	
9	continuous falling of burning droplets ²⁾	---	---	---	---	---	min:s
10	Falling of burning droplets Start ¹⁾	./.	./.	./.	./.	./.	min:s
11	Extent sporadic falling of burning droplets ²⁾	---	---	---	---	---	
12	continuous falling of burning droplets ²⁾	---	---	---	---	---	
13	After flame time at the bottom of the sieve (max.)	./.	./.	./.	./.	./.	min:s
14	Impairment of the burner by dropping or falling material: Time ¹⁾	./.	./.	./.	./.	./.	min:s
15	Final occurrence of burning at the specimen ¹⁾	1:05	0:55	0:45	1:49	1:40	min:s
16	Time of eventually end of test ¹⁾	./.	./.	./.	./.	./.	min:s
17	After flame after end of test Time ¹⁾	./.	./.	./.	./.	./.	min:s
18	Number of specimen	./.	./.	./.	./.	./.	
19	Front side of specimen ²⁾	./.	./.	./.	./.	./.	
20	Back side of specimen ²⁾	./.	./.	./.	./.	./.	
21	flame length	./.	./.	./.	./.	./.	cm

line no.	Measurement	Result with the tested specimen					Dim.
		#1289	#1290	#1291	#1293	#1294	
	Test number						
	flaming direction / side	warp / A	warp / B	weft / A	warp / A	warp / A	
22	<u>Afterglow after end of test</u> Time ¹⁾	./.	./.	./.	./.	./.	min:s
23	Number of specimen	./.	./.	./.	./.	./.	
	<u>Place of appearance</u>	./.	./.	./.	./.	./.	
24	Lower half of the specimen ²⁾	./.	./.	./.	./.	./.	
25	Upper half of the specimen ²⁾	./.	./.	./.	./.	./.	
26	Front side of specimen ²⁾	./.	./.	./.	./.	./.	
27	Back side of specimen ²⁾	./.	./.	./.	./.	./.	
28	<u>Density of smoke</u> ≤ 400 % * min	17	17	10	16	13	% * min
29	> 400 % * min ⁴⁾	./.	./.	./.	./.	./.	
30	Diagram: encl. no.	1	2	3	4	5	
31	<u>Residual lengths: individual value³⁾</u>						
	Specimen 1	57	60	60	63	58	cm
	Specimen 2	56	65	64	63	63	cm
	Specimen 3	55	64	62	63	60	cm
	Specimen 4	54	60	62	62	65	cm
32	<u>Average value, individual test ³⁾</u>	56	62	62	63	62	
33	Photo of specimen in enclosure no.	1	2	3	4	5	
34	<u>Flue gas temperature</u>	115	118	114	117	115	°C
35	Maximum of average value Time ¹⁾	10:00	09:08	09:57	09:39	09:20	min:s
36	Diagram: encl. no.	1	2	3	4	5	
37	Remarks: - none -						

¹⁾ indication of times: from the begin of testing procedure ²⁾ checked off if applicable

³⁾ indication of carrier/foam layer separated in case of fire-proofing agents

⁴⁾ very strong development of smoke

6. Explanations concerning the testing procedure

There were no additional tests proceeded because of the residual length of more than 45 cm.

7. Summary of results and additional establishments to Fire Behaviour

lineno.	measurement	Result with the tested specimen					Dim.
	test-no.	#1289 warp / A	#1290 warp / B	#1291 weft / A	#1293 warp / A	#1294 warp / A	
	colour of fabric	beige			grey	white	
1	residual length	56	62	62	63	62	cm
2	max. smoke temperature	115	118	114	117	115	°C
3	density of smoke - integral	17	17	10	16	13	%min
4	remarks: -none-						

According to DIN 4102, part 1, "schwerentflammbare" (hardly flammable) building materials must meet the requirements of class B2.

Pursuant to additional tests in the ignitability apparatus this can be determined (appendix 6 & 7).

8. Special remarks

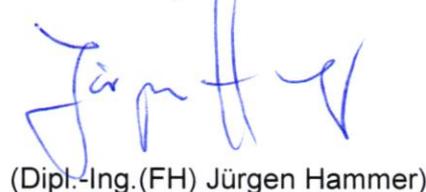
- This report is only valid for the material as described under paragraph 1. In combination with other materials or with additional coatings or grounds etc. the burning behaviour may differ.
- This test report is not valid for the exposure to outdoor climate conditions.
- This test report is not valid, as soon as the fabric is used as a building product in the sense of the "Landesbauordnungen" (state building requirements, MBO § 17, par. 3).
- This test report is no substitute for a General Building Inspectorate Certificate.
- This test report is granted without prejudice to the rights of third parties, in particular private proprietary rights.
- For legal interests only the German original version is relevant.
- In General Building Inspectorates procedures this test report can be based for
 - regular building materials for the required proof of accordance
 - for not regular building materials for the required proof of applicability

9. Validity

This test report is valid until the mentioned date on page 1. The test report becomes invalid in case the standards on which the tests are based are changed.

Fladungen, 22.01.2026

clerk in charge:



(Dipl.-Ing.(FH) Jürgen Hammer)



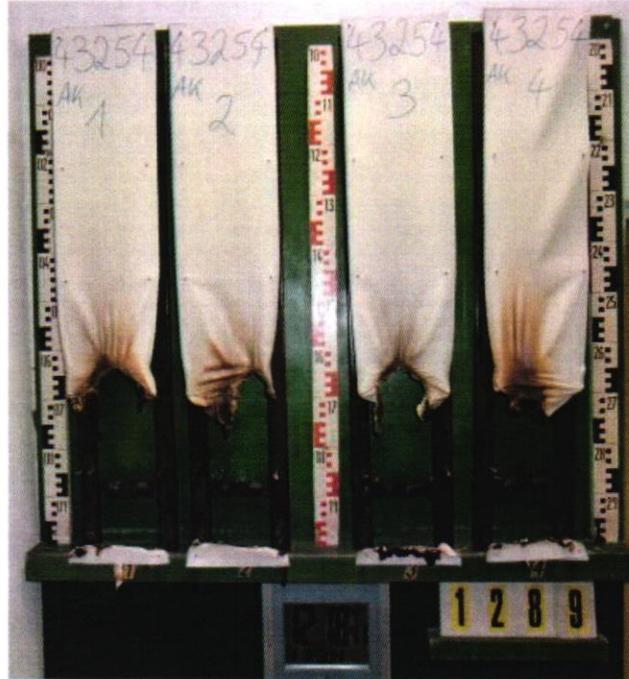
Head of the test laboratory:



(Dipl.-Ing.(FH) Andreas Hoch)

----- End of report -----

„Brandschacht“-test #1289

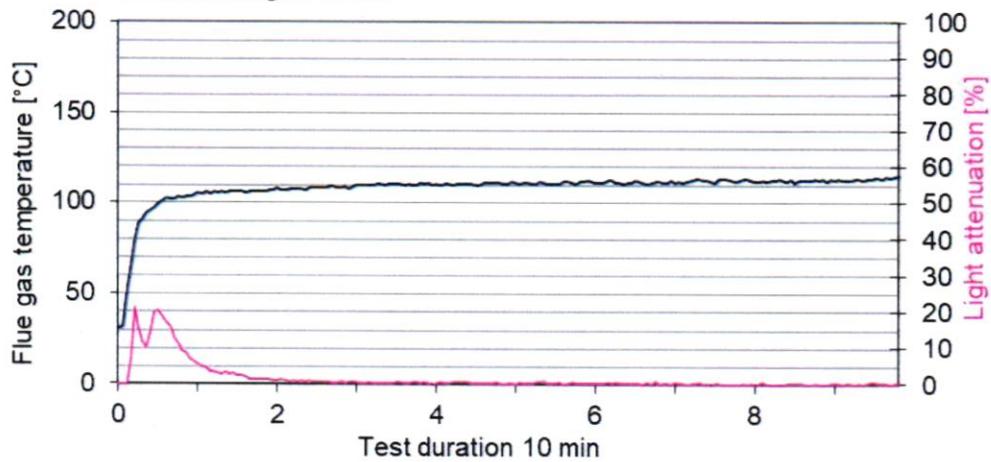


measurement

#1289, PN43254: A+K

Max. flue temperature: 115°C, Smoke density integral: 17%/min

Residual length: 56 cm



„Brandschacht“-test #1290

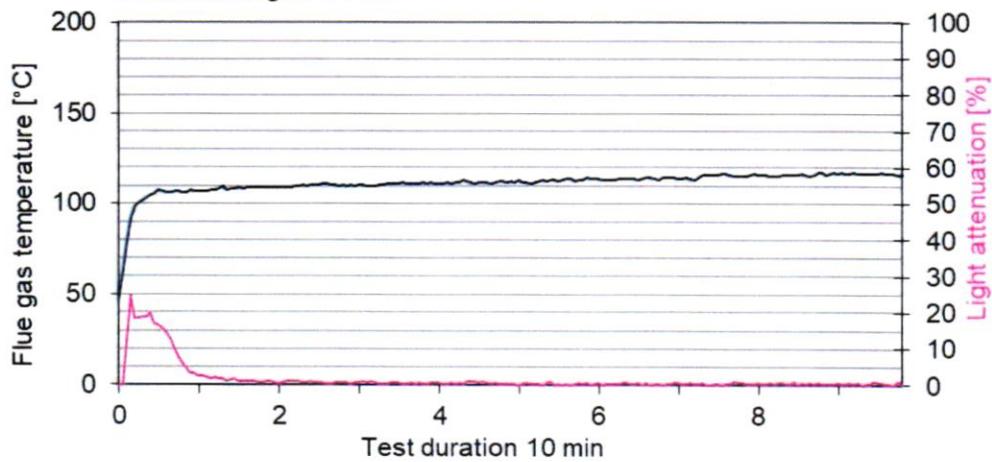


measurement

#1290, PN43254: B+K

Max. flue temperature: 118°C, Smoke density integral: 17%min

Residual length: 62 cm



„Brandschacht“-test #1291

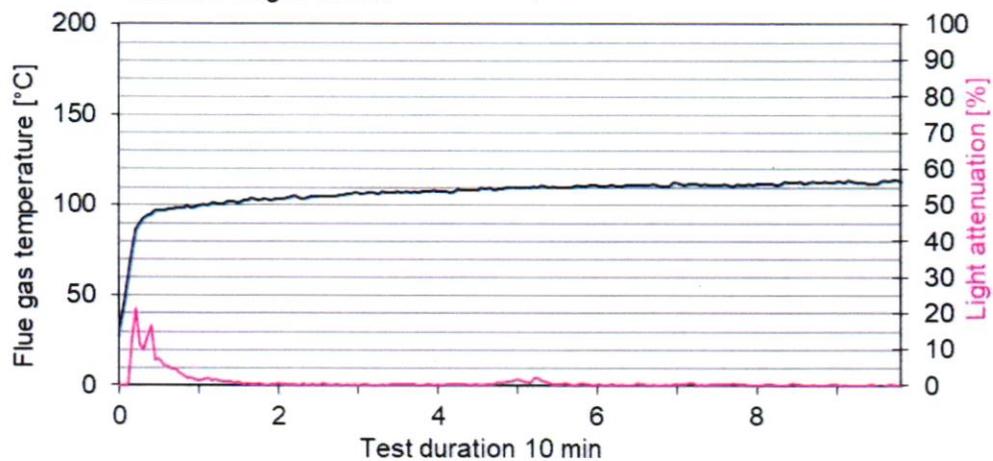


measurement

#1291, PN43254: A+S

Max. flue temperature: 114°C, Smoke density integral: 10%/min

Residual length: 62 cm



„Brandschacht“-test #1293

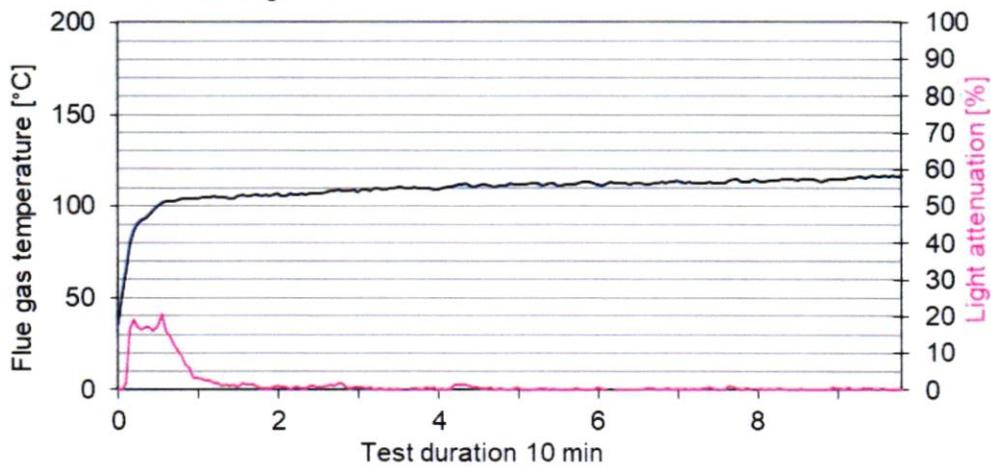


measurement

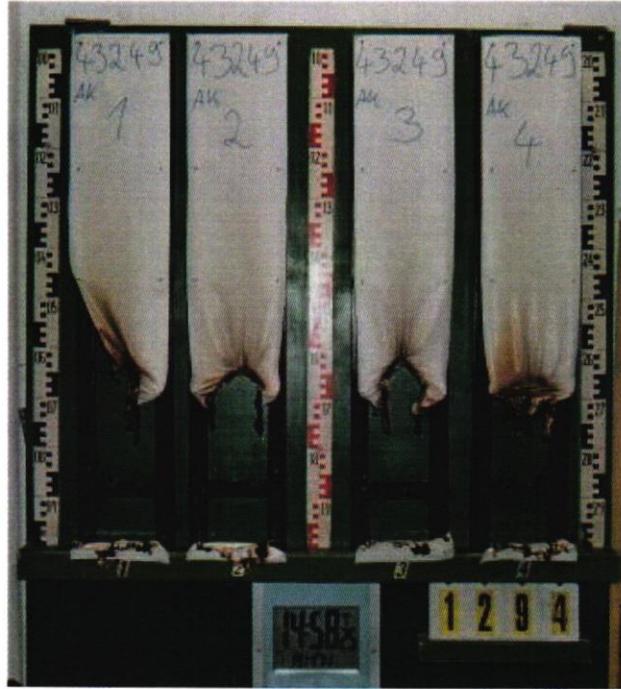
#1293, PN43250: A + K

Max. flue temperature: 117°C, Smoke density integral: 16%/min

Residual length: 63 cm



„Brandschacht“-test #1294

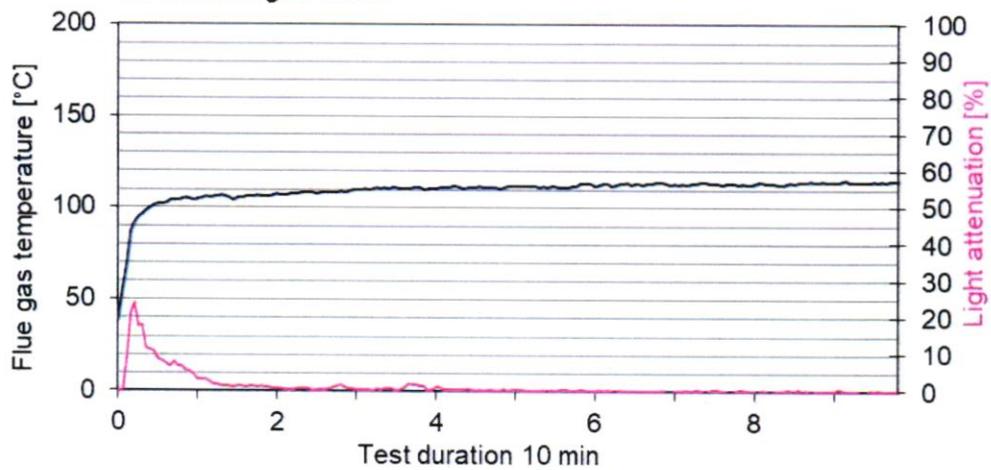


measurement

#1294, PN43249: A + K

Max. flue temperature: 115°C, Smoke density integral: 13%/min

Residual length: 62 cm



**Test for normal flammability
classifying B2 according to DIN 4102**

1. Description of test material in condition as delivered look at page 2
2. Preparation of samples
Out of the material there have been cut samples for the ignitability apparatus.
The samples were kept in a climate 23/50 until they reached constant weight.
3. Arrangement of samples: -freely suspended-
Flaming in warp and in weft direction / Flaming side A and side B
4. Date of test CW 03 in 2026
5. Results

PN 43254: flaming side A in weft direction	surface-test						edge-test						Dim
	1	2	3	4	5	6	1	2	3	4	5	6	
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition ¹⁾	5	5	5	5	5	--	1	--	--	--	--	--	s
reaching the mark of measurement ¹⁾²⁾	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	S
max. flame height	12	13	14	12	14	--	14	--	--	--	--	--	cm
time	14	14	14	13	14	--	14	--	--	--	--	--	
self cessation of the flames end of afterflame ¹⁾	15	17	15	15	18	--	15	--	--	--	--	--	s
end of glowing ¹⁾	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	s
flames were extinguished after ¹⁾	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	s
smoke development (visual)	very heavy						very heavy						
dropping of burning material during 20 s ¹⁾	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	s
Appearance after test: burned out till max. height 11 cm x width 2,5 cm													

PN 43254: additional tests	edge-test						surface-test						Dim
	1	2	3	4	5	6	1	2	3	4	5	6	
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
arrangement of samples side / direction	A/wa	B/wa	B/we	--	--	--	A/wa	B/wa	B/we	--	--	--	
ignition ¹⁾	1	1	1	--	--	--	5	5	5	--	--	--	s
reaching the mark of measurement ¹⁾²⁾	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
max. flame height	11	14	12	--	--	--	10	13	12	--	--	--	cm
time	9	13	11	--	--	--	12	14	11	--	--	--	
self cessation of the flames end of afterflame ¹⁾	10	14	13	--	--	--	15	15	17	--	--	--	s
end of glowing ¹⁾	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
flames were extinguished after ¹⁾	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
smoke development (visual)	very heavy						very heavy						
dropping of burning material during 20 s ¹⁾	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
Appearance after test: burned out till max. height 11 cm x width 2,5 cm													

¹⁾ time mentioned from the beginning of the test ²⁾ during 20 Sec -/- no appearance -- no information
wa: warp direction / we: weft direction

PN 43249: additional tests	edge-test						surface-test						Dim
	1	2	3	4	5	6	1	2	3	4	5	6	
samples no.													
arrangement of samples side / direction	A/wa	B/wa	A/we	B/we	--	--	A/wa	B/wa	A/we	B/we	--	--	
ignition ¹⁾	1	1	1	1	--	--	4	4	4	4	--	--	s
reaching the mark of measurement ¹⁾²⁾	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
max. flame height	11	12	12	13	--	--	10	12	11	10	--	--	cm
time	8	8	9	9	--	--	14	13	12	14	--	--	
self cessation of the flames end of afterflame ¹⁾	9	9	10	10	--	--	15	15	15	15	--	--	s
end of glowing ¹⁾	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
flames were extinguished after ¹⁾	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
smoke development (visual)	very heavy						very heavy						
dropping of burning material during 20 s ¹⁾	./.	./.	./.	./.	--	--	./.	./.	./.	--	--	--	s
Appearance after test: burned out till max. height 8 cm x width 2,5 cm													

PN 43250: additional tests	edge-test						surface-test						Dim
	1	2	3	4	5	6	1	2	3	4	5	6	
samples no.													
arrangement of samples side / direction	A/wa	B/wa	A/we	B/we	--	--	A/wa	B/wa	A/we	B/we	--	--	
ignition ¹⁾	1	1	1	1	--	--	4	4	4	4	--	--	s
reaching the mark of measurement ¹⁾²⁾	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
max. flame height	12	12	12	13	--	--	11	11	11	11	--	--	cm
time	13	11	9	14	--	--	14	14	14	14	--	--	
self cessation of the flames end of afterflame ¹⁾	15	12	10	15	--	--	16	15	15	15	--	--	s
end of glowing ¹⁾	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
flames were extinguished after ¹⁾	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
smoke development (visual)	very heavy						very heavy						
dropping of burning material during 20 s ¹⁾	./.	./.	./.	./.	--	--	./.	./.	./.	--	--	--	s
Appearance after test: burned out till max. height 9 cm x width 2 cm													

¹⁾ time mentioned from the beginning of the test ²⁾ during 20 Sec -/- no appearance -- no information
wa: warp direction / we: weft direction

6. Remarks and explanations to the testing procedure - none –

7. Opinion concerning the dropping of burning material

The test for normal flammability shows no burning dripping material.

----- End of enclosures -----