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Hoch Fladungen

Test laboratory for the fire behavior of building materials, Dipl.-Ing. (FH) Andreas Hoch
Testing, supervising and certifying body, authorized by the building supervision authority

TEST REPORT
PZ-Hoch-170976-4

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	**Vescom B.V.** St. Jozefstraat 20 NL-5753 Deurne
description of samples	• fabric consisting of 100% Polyester FR, printed in 3 different colours on one side • unprinted base fabric
name of the material	**„Dabie + print"**
sampling	by the company itself and by Prüfinstitut Hoch on 08.06.2018 and 02.05.2019 and 26.01.2021
content of request	Proof of flammability to classify building materials to class B1 "schwerentflammbar" according to DIN 4102, part 1
validity of test report	31.01.2026
result	**The examined product meets** • **printed on one side in any colour** • **as unprinted base fabric** **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 8 pages and 11 enclosures.

Remark: If the above mentioned building material is not used as product according to MBO § 2, Abs. 9, Ziffer1, there is no need for a general building supervisory test report.
This test report is not valid if the examined building material is used as product in the meaning of state building prescriptions (MBO § 17, Abs. 3).
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This test report must not be published and copied without preceding agreement of the test laboratory and if agreed, only during validity and unchanged concerning appearance and contents.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 25994: "Dabie + print" colour: green / light grey

-fabric consisting of 100% Polyester FR-
The inner layer is black.
side A: light grey / side B: green
characteristic values determined by the test laboratory:
area weight: about 300 g/m² thickness: about 0,62 mm

Surveillance visit on 08.06.2018:

PN 27710: "Dabie + print" as unprinted base fabric

-fabric consisting of 100% Polyester FR-
The inner layer is black.
side A: light grey, raw woven / side B: light grey, fine woven
characteristic values determined by the test laboratory:
area weight: about 293 g/m² thickness: about 0,64 mm

Surveillance visit on 02.05.2019:

PN 29528: "Dabie + print" colour: grey printed / light grey

-fabric consisting of 100% Polyester FR-
The inner layer is black.
side A: light grey printed / side B: light grey, fine woven
characteristic values determined by the test laboratory:
area weight: about 291 g/m² thickness: about 0,59 mm

PN 29529: "Dabie + print" colour: red printed / light grey

-fabric consisting of 100% Polyester FR-
The inner layer is black.
side A: red printed / side B: light grey, fine woven
characteristic values determined by the test laboratory:
area weight: about 303 g/m² thickness: about 0,58 mm

Surveillance visit on 26.01.2021:

PN 32732: "Dabie + print" colour: grey printed / white

-fabric consisting of 100% Polyester FR-
The inner layer is black.
side A: grey printed / side B: white
characteristic values determined by the test laboratory:
area weight: about 289 g/m² thickness: about 0,53 mm

PN 32733: "Dabie + print" colour: beige printed / white

-fabric consisting of 100% Polyester FR-
The inner layer is black.
side A: beige printed / side B: white
characteristic values determined by the test laboratory:
area weight: about 293 g/m² thickness: about 0,54 mm

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

#9393	flaming side A in warp direction	green printed	
#9394	flaming side B in warp direction	green printed	
#9402	flaming side B in weft direction	green pronted	
#1419	flaming side A in warp direction	unprinted base fabric	
#2759	flaming side A in warp direction	grey printed	
#2760	flaming side A in warp direction	red printed	
#4289	flaming side A in weft direction	grey printed	PN 32732
#4290	flaming side B in warp direction	beige printed	PN 32733

4. Date of test

CW 34 in 2017 and CW 28 in 2018 and week 36 in 2019 and CW 09 in 2021

5.1 Results (part 1)

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

line no.	Measurement	Result with the tested specimen					Dim.
	Test number	#9393	#9394	#9402	#1419	---	
	flamed direction flamed side	warp A	warp B	weft B	warp A	---	
	fabric	green printed			unprinted	---	
1	Number of specimen arrangement acc. to. DIN 4102/T15, schedule 1	1	1	1	1	---	
2	Maximum flame height above bottom edge of the specimen	40	40	40	30		cm
3	Time [1]	0:10	0:12	0:11	0:02	---	min:s
4	Burn through / melting Time [1]	0:04	0:04	0:05	0:04	---	min:s
	Observations on the back side of the specimen						
	Flames / Glowing	./.	./.	./.	./.	./.	
5	Time [1]	./.	./.	./.	./.	./.	min:s
	Change of color	./.	./.	./.	./.	./.	
6	Time [1]	./.	./.	./.	./.	./.	min:s
	Falling of burning droplets	./.	./.	./.	./.	./.	
7	Start [1]	./.	./.	./.	./.	./.	min:s
	Extent						
8	sporatic falling of burning droplets [2]	./.	./.	./.	./.	./.	
9	continuous falling of burning droplets [2]	./.	./.	./.	./.	./.	min:s
	Falling of burning droplets	./.	./.	./.	./.	./.	
10	Start [1]						min:s
	Extent	./.	./.	./.	./.	./.	
11	sporatic falling of burning droplets [2]						
12	continuous falling of burning droplets [2]	./.	./.	./.	./.	./.	
13	Afterflame 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	Premature end of test Final occurance of burning at the specimen [1]	./.	./.	./.	./.	./.	min:s
16	Time of eventually end of test [1]	./.	./.	./.	./.	./.	min:s
	Afterflame after end of test						
17	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.
	Test number	#9393	#9394	#9402	#1419	---	
	flamed direction flamed side	warp A	warp B	weft B	warp A	---	
	Afterglow after end of test	./.	./.	./.	./.	./.	
22	Time [1]	./.	./.	./.	./.	./.	min:s
23	Number of specimen	./.	./.	./.	./.	./.	
	Place of appearance	./.	./.	./.	./.	./.	
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]	./.	./.	./.	./.	./.	
	Density of smoke						
28	≤ 400 % * min	1	1	1	1	---	% * min
29	> 400 % * min [4]	./.	./.	./.	./.	./.	% * min
30	Diagram: encl. no.	1	2	3	4	---	
	Residual lengths: individual value [3]						
	Specimen 1	64	53	58	70	---	cm
31	Specimen 2	68	50	62	66	---	cm
	Specimen 3	63	54	58	57	---	cm
	Specimen 4	64	54	58	67	---	cm
32	Average value, individual test [3]	**65**	**53**	**58**	**65**	---	
33	Photo of specimen in enclosure no.	1	2	3	4	---	
34	Flue gas temperature	115	121	128	122	---	°C
35	Maximum of average value Time [1]	09:24	09:48	09:54	10:00	---	min:s
36	Diagram: encl. no.	1	2	3	4	---	
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

5.2 Results (part 2)

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

line no.	Measurement	Result with the tested specimen					Dim.
	Test number	#2759	#2760	#4289	#42900	---	
	flamed direction flamed side	warp A	warp A	weft A	warp B	---	
	fabric	grey printed	red printed	grey printed	beige printed	---	
1	Number of specimen arrangement acc. to. DIN 4102/T15, schedule 1	1	1	1	1	---	
2	Maximum flame height above bottom edge of the specimen	30	30	30	30		cm
3	Time [1]	0:02	0:02	0:02	0:02	---	min:s
4	Burn through / melting Time [1]	0:04	0:05	0:04	0:04	---	min:s
5	Observations on the back side of the specimen Flames / Glowing Time [1]	./. ./.	./. ./.	./. ./.	./. ./.	./. ./.	min:s
6	Change of color Time [1]	./. ./.	./. ./.	./. ./.	./. ./.	./. ./.	min:s
7	Falling of burning droplets Start [1]	./. ./.	./. ./.	./. ./.	./. ./.	./. ./.	min:s
8	Extent sporatic 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 sporatic falling of burning droplets [2]	./.	./.	./.	./.	./.	
12	continuous falling of burning droplets [2]	./.	./.	./.	./.	./.	
13	Afterflame 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	Premature end of test Final occurance of burning at the specimen [1]	./.	./.	./.	./.	./.	min:s
16	Time of eventually end of test [1]	./.	./.	./.	./.	./.	min:s
17	Afterflame 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.
	Test number	#2759	#2760	#4289	#42900	---	
	flamed direction flamed side	warp A	warp A	weft A	warp B	---	
	Afterglow after end of test	./.	./.	./.	./.	./.	
22	Time [1]	./.	./.	./.	./.	./.	min:s
23	Number of specimen	./.	./.	./.	./.	./.	
	Place of appearance	./.	./.	./.	./.	./.	
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]	./.	./.	./.	./.	./.	
	Density of smoke						
28	≤ 400 % * min	1	1	1	1	---	% * min
29	> 400 % * min [4]	./.	./.	./.	./.	./.	% * min
30	Diagram: encl. no.	5	6	7	8	---	
	Residual lengths: individual value [3]						
	Specimen 1	61	62	58	67	---	cm
31	Specimen 2	65	67	56	68	---	cm
	Specimen 3	65	65	69	68	---	cm
	Specimen 4	64	66	72	71	---	cm
32	Average value, individual test [3]	**64**	**65**	**64**	**69**	**---**	
33	Photo of specimen in enclosure no.	5	6	7	8	---	
34	Flue gas temperature	123	121	120	122	---	°C
35	Maximum of average value Time [1]	08:56	09:30	09:45	09:57	---	min:s
36	Diagram: encl. no.	5	6	7	8	---	
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 ≥ than 45 cm.

7. Summary of results and additional establishments to Fire Behaviour

line no.	measurement / test-no.	Result with the tested specimen					dimension
		#9393	#9394	#9402	#1419	---	
	flamed direction / flamed side	warp A	warp B	weft B	warp A	---	
	fabric	green printed			unprinted	---	
1	residual length	**65**	**53**	**59**	**65**	---	cm
2	max. smoke temperature	**115**	**121**	**128**	**122**	---	°C
3	density of smoke - integral	**1**	**1**	**1**	**1**	--	%min

line no.	measurement / test-no.	Result with the tested specimen					dimension
		#2759	#2760	#4289	#4290	---	
	flamed direction / flamed side	warp A	warp B	weft A	warp B	---	
	fabric	grey printed	red printed	grey printed	beige printed	---	
1	residual length	**64**	**65**	**64**	**69**	---	cm
2	max. smoke temperature	**123**	**121**	**120**	**122**	---	°C
3	density of smoke - integral	**1**	**1**	**1**	**1**	--	%min

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 9 - 11).

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, washing or cleaning with chemicals.
- 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, im 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, 13.07.2022

clerk in charge:

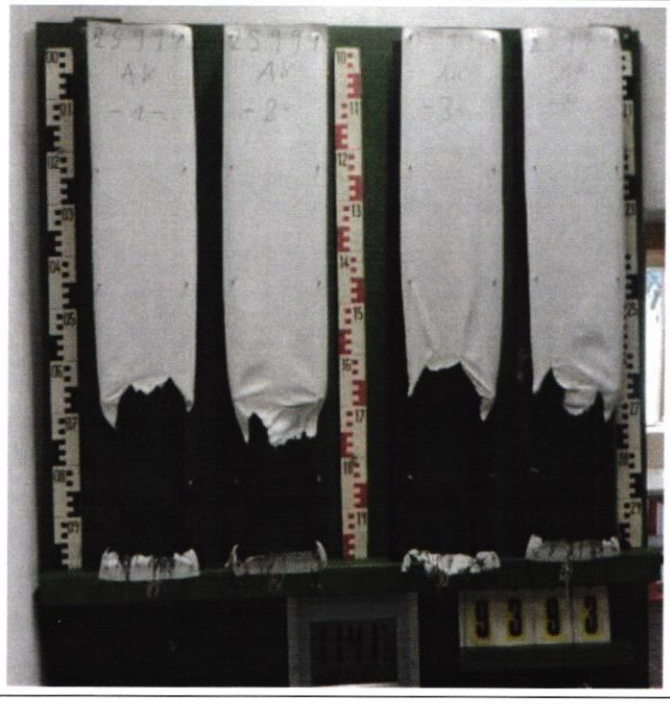
(Dipl.-Ing.(FH) Jürgen Hammer)

Hoch Fladungen

Head of the test laboratory:

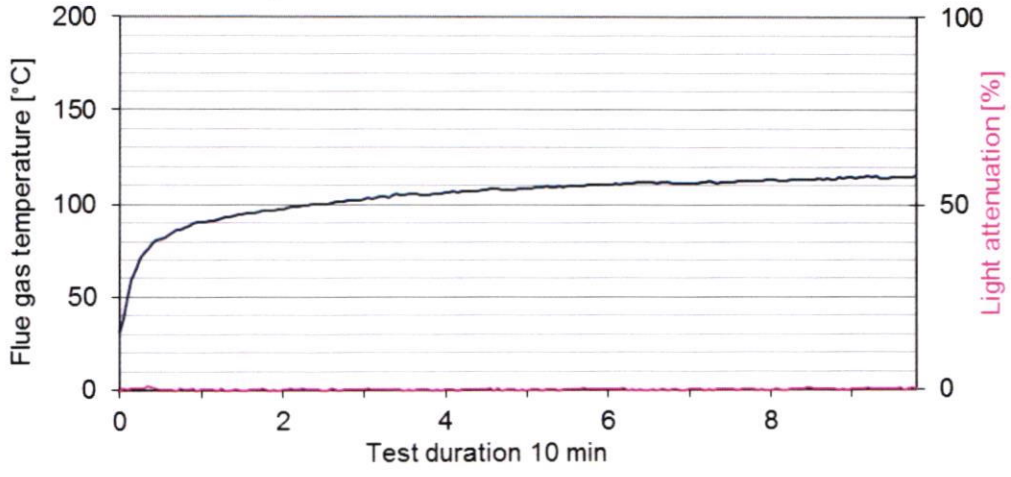
(Dipl.-Ing.(FH) Andreas Hoch)

„Brandschacht“-test #9393

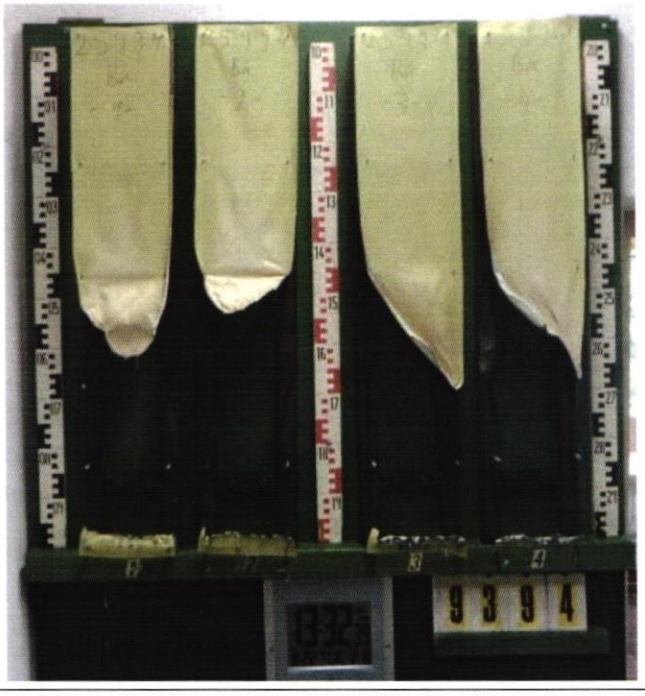


measurement

#9393, PN25994: VESCOM, "Dabie + print", A+K
Max. flue temperature: 115°C, Smoke density integral: 1%min
Residual length: 65 cm

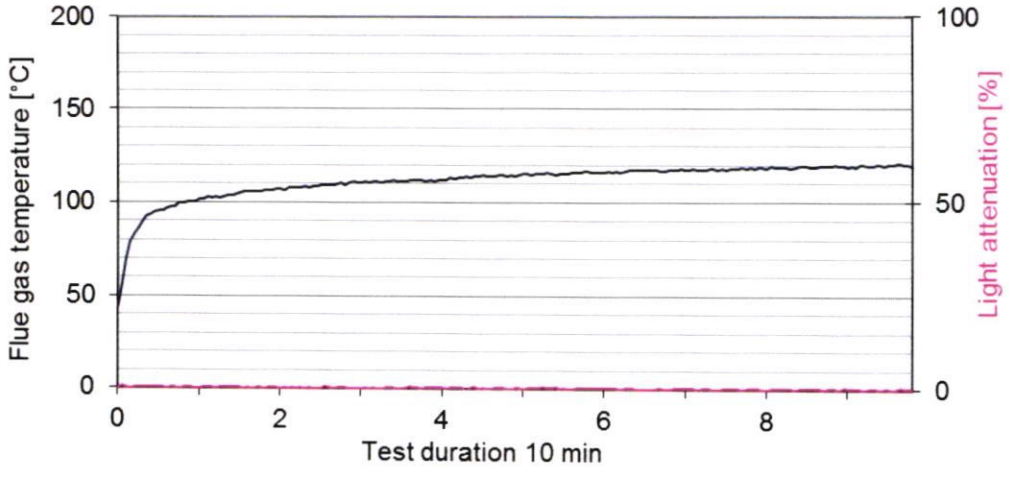


„Brandschacht“-test #9394

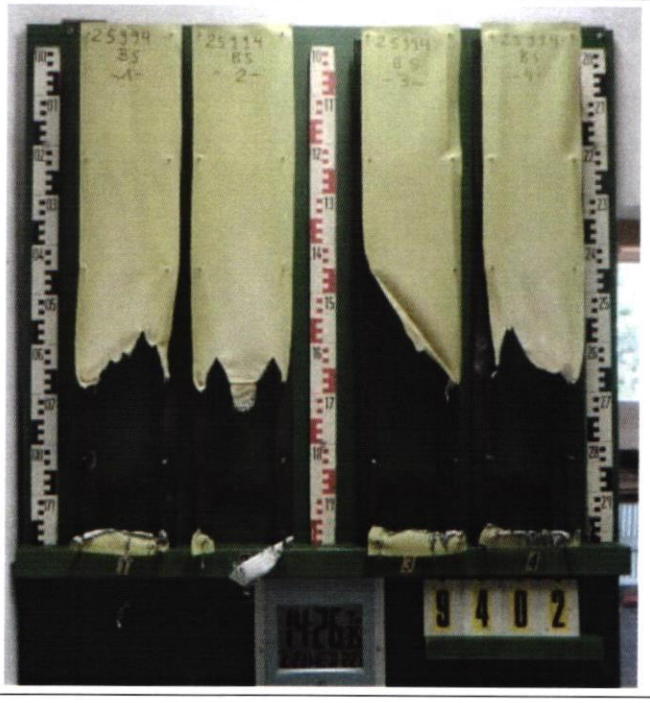


measurement

#9394, PN25994: VESCOM, "Dabie + print", B+K
Max. flue temperature: 121°C, Smoke density integral: 1%min
Residual length: 53 cm

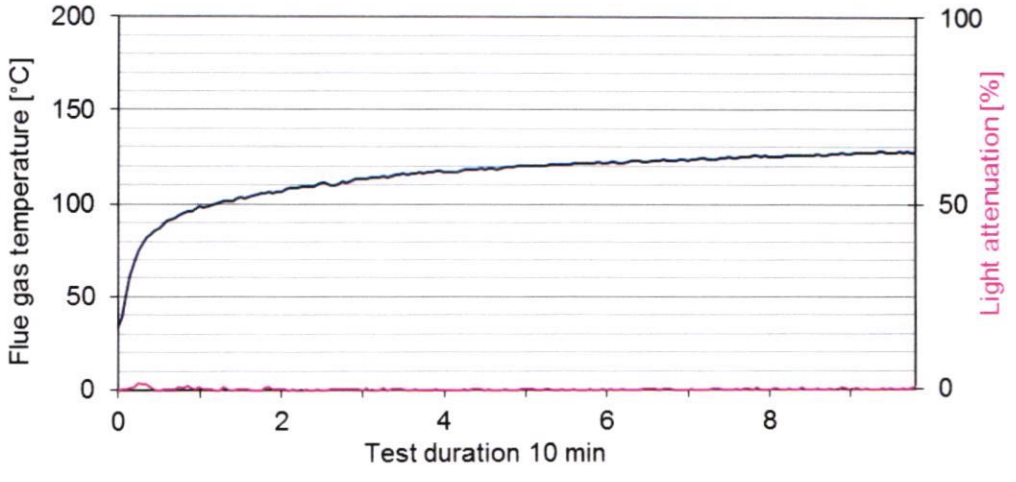


„Brandschacht“-test #9402

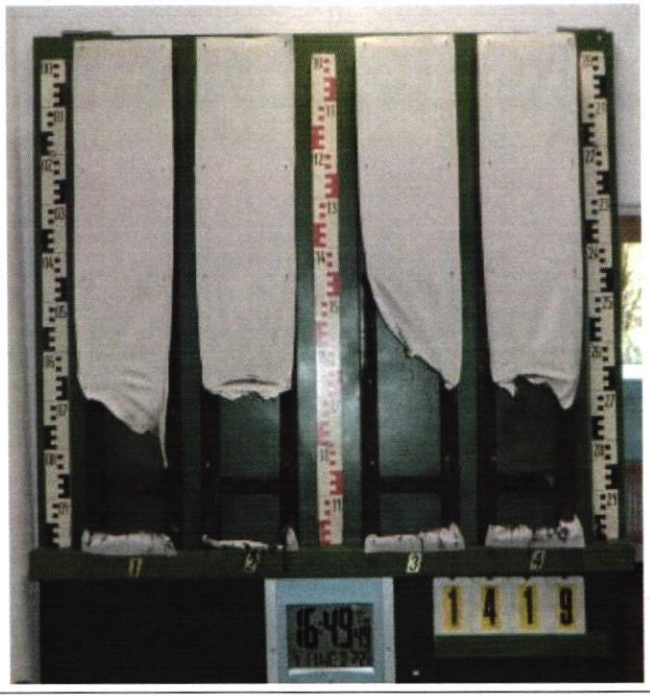


measurement

#9402, PN25994: VESCOM, "Dabie + print", B+S
Max. flue temperature: 128°C, Smoke density integral: 1%min
Residual length: 59 cm

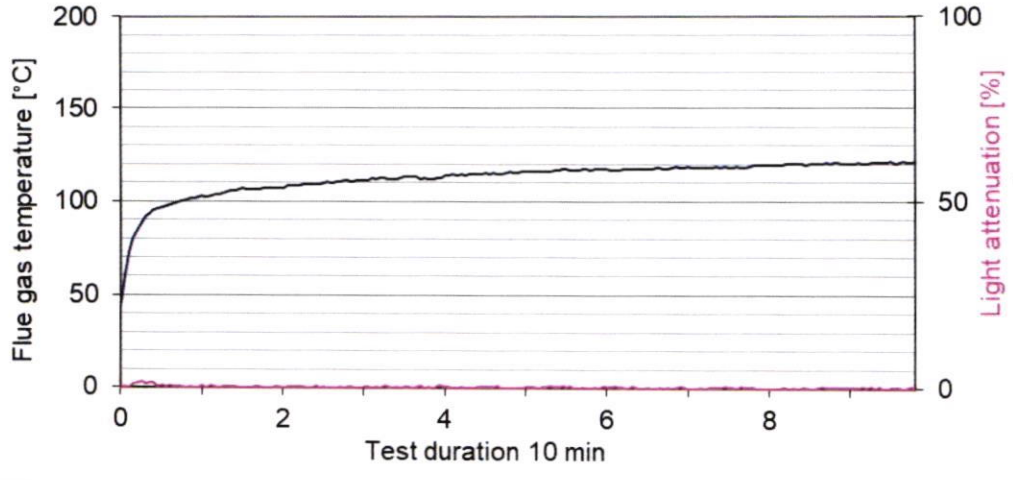


Brandschachtprüfung #1419

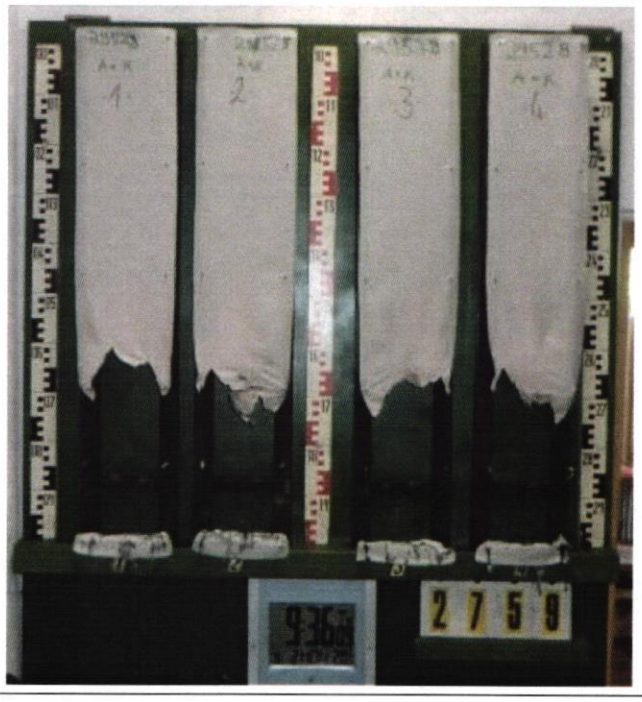


Messdaten

#1419, PN27710: VESCOM, "Dabie + print", A+K
Max. flue temperature: 122°C, Smoke density integral: 1%min
Residual length: 65 cm

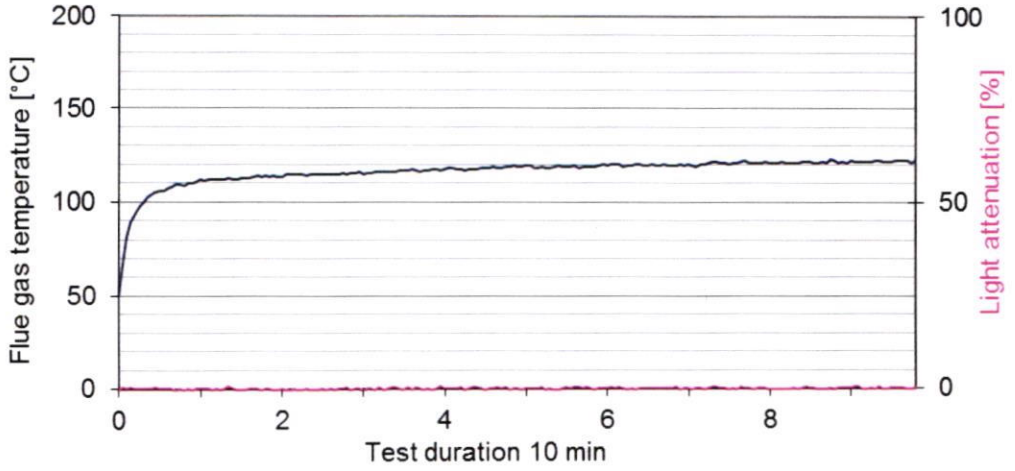


Brandschachtprüfung #2759



Messdaten

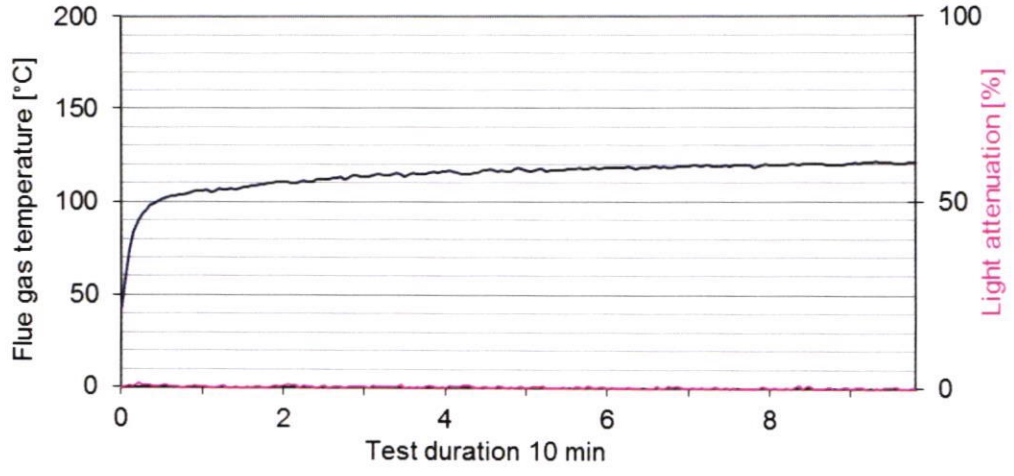
#2759, PN29528: VESCOM, "Dabie+print", A+K
Max. flue temperature: 123°C, Smoke density integral: 1%min
Residual length: 64 cm



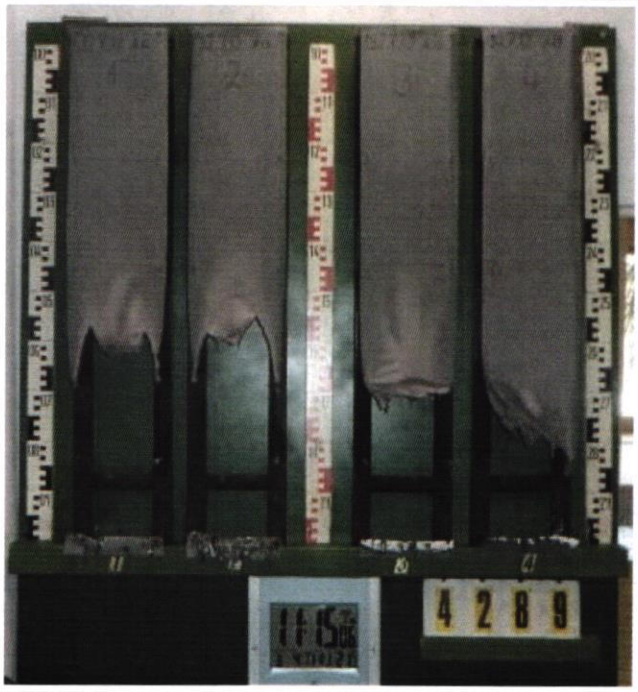
Brandschachtprüfung #2760

Messdaten

#2760, PN29529: VESCOM, "Dabie+print", A+K
Max. flue temperature: 121°C, Smoke density integral: 1%min
Residual length: 65 cm

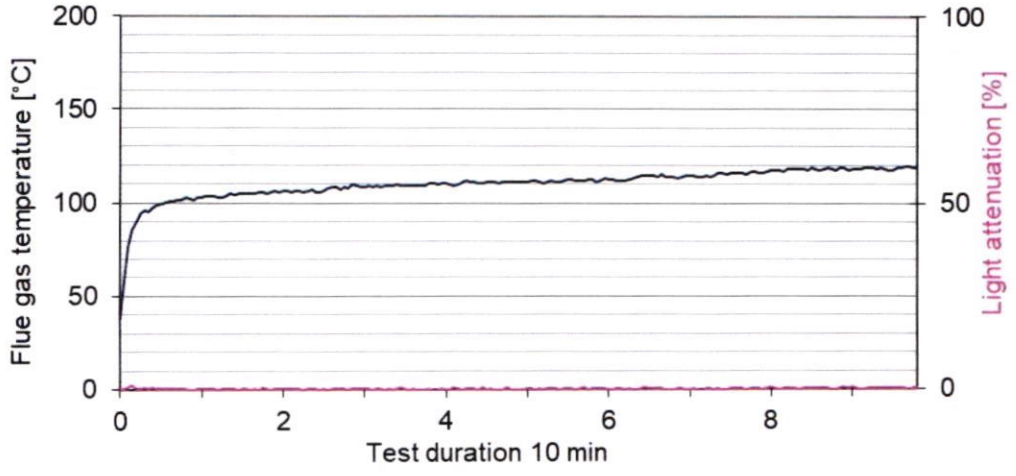


Brandschachtprüfung #4289

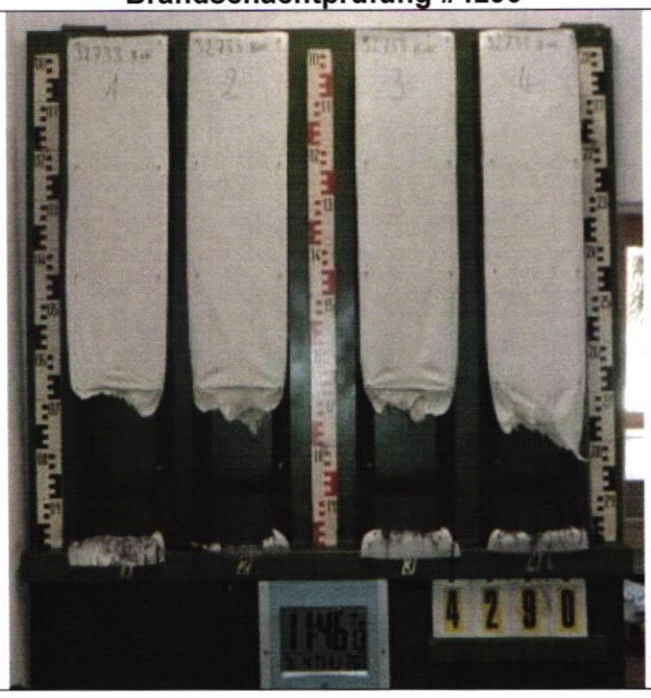


Messdaten

#4289, PN32732: VESCOM, "Koro 8068", A+S
Max. flue temperature: 120°C, Smoke density integral: 1%min
Residual length: 64 cm



Brandschachtprüfung #4290

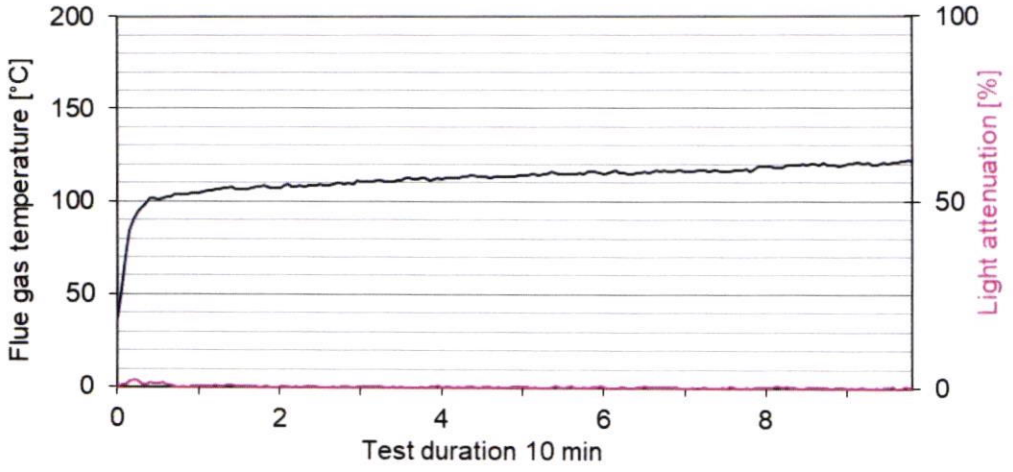


Messdaten

#4290, PN32733: VESCOM, "Rani 8067", B+K

Max. flue temperature: 122°C, Smoke density integral: 1%min

Residual length: 69 cm



Hoch
Fladungen
Prüfinstitut Hoch
Lerchenweg 1
D-97650 Fladungen

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 weft direction / side A and side B
4. Date of test — CW 33 in 2017 and CW 26 in 2018 und CW 36 in 2019 and CW 09 in 2021
5. Results

PN 25994: green printed flaming side A in weft direction	edge-test						surface-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1)]	1	1	1	1	1	--	3	--	--	--	--	--	s
reaching the mark of measurement[1)2)]	-/-	-/-	-/-	-/-	-/-	--	-/-	--	--	--	--	--	s
max. flame height	**5**	**5**	**3**	**3**	**6**	--	**2**	--	--	--	--	--	cm
time	2	3	2	3	3	--	3	--	--	--	--	--	
self cessation of the flames end of afterflame[1)]	5	8	3	4	4	--	5	--	--	--	--	--	s
end of glowing[1)]	-/-	-/-	-/-	-/-	-/-	--	-/-	--	--	--	--	--	s
flames were extinguished after[1)]	-/-	-/-	-/-	-/-	-/-	--	-/-	--	--	--	--	--	
smoke development (visual)	very little						very little						./.
dropping of burning material during 20 s[1)]	-/-	-/-	-/-	-/-	-/-	--	-/-	--	--	--	--	--	s
Appearance after test: burned out till max. height 4,5 cm x width 2 cm													

PN 25994: additional tests	edge-test						surface-test						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1)]	1	1	1	--	--	--	2	1	3	--	--	--	s
reaching the mark of measurement[1)2)]	-/-	-/-	-/-	--	--	--	-/-	-/-	-/-	--	--	--	s
max. flame height	**1**	**4**	**5**	**--**	**--**	**--**	**3**	**2**	**2**	--	--	--	cm
time	2	4	2	--	--	--	4	2	4	--	--	--	
self cessation of the flames end of afterflame[1)]	2	4	4	--	--	--	5	16	5	--	--	--	s
end of glowing[1)]	-/-	-/-	-/-	--	--	--	-/-	-/-	-/-	--	--	--	s
flames were extinguished after[1)]	-/-	-/-	-/-	--	--	--	-/-	-/-	-/-	--	--	--	s
smoke development (visual)	very little						very little						
dropping of burning material during 20 s[1)]	-/-	-/-	-/-	--	--	--	-/-	-/-	-/-	--	--	--	s
Appearance after test: burned out till max. height 4,5cm x width 2cm													

[1)] time mentioned from the beginning of the test [2)] during 20 Sec -/- no appearance -- no information

PN 27710: unprinted base fabric additional tests	**edge-test**						**surface-test**						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1)]	1	1	1	1	--	--	2	2	2	2	--	--	s
reaching the mark of measurement[1)2)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
max. flame height	**5**	**5**	**8**	**6**	**--**	**--**	**3**	**4**	**4**	**3**	--	--	cm
time	7	8	15	8	--	--	4	4	4	4	--	--	
self cessation of the flames end of afterflame[1)]	8	9	15	9	--	--	4	5	5	4	--	--	s
end of glowing[1)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
flames were extinguished after[1)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
smoke development (visual)	little						little						
dropping of burning material during 20 s[1)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
Appearance after test: burned out till max. height 6cm x width 3cm													

PN 29528: grey printed	**edge-test**						**surface-test**						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1)]	1	1	1	1	--	--	2	2	2	2	--	--	s
reaching the mark of measurement[1)2)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
max. flame height	**3**	**5**	**4**	**7**	**--**	**--**	**3**	**4**	**4**	**4**	--	--	cm
time	2	6	4	10	--	--	4	7	6	10	--	--	
self cessation of the flames end of afterflame[1)]	3	7	5	14	--	--	4	8	7	10	--	--	s
end of glowing[1)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
flames were extinguished after[1)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
smoke development (visual)	little						little						
dropping of burning material during 20 s[1)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
Appearance after test: burned out till max. height 7cm x width 4cm													

PN 29529: red printed	**edge-test**						**surface-test**						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1)]	1	1	1	1	--	--	3	3	3	3	--	--	s
reaching the mark of measurement[1)2)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
max. flame height	**4**	**4**	**4**	**4**	**--**	**--**	**3**	**3**	**3**	**4**	--	--	cm
time	7	7	7	7	--	--	4	4	4	8	--	--	
self cessation of the flames end of afterflame[1)]	7	10	7	7	--	--	6	6	6	15	--	--	s
end of glowing[1)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
flames were extinguished after[1)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
smoke development (visual)	little						little						
dropping of burning material during 20 s[1)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
Appearance after test: burned out till max. height 5cm x width 2cm													

[1)] time mentioned from the beginning of the test [2)] during 20 Sec -/- no appearance -- no information

PN 32732:	**edge-test**						**surface-test**						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1)]	1	1	1	1	--	--	3	3	3	3	--	--	s
reaching the mark of measurement[1)2)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
max. flame height	**4**	**7**	**11**	**10**	**--**	**--**	**5**	**7**	**6**	**5**	--	--	cm
time	4	9	15	15	--	--	5	10	10	8	--	--	
self cessation of the flames end of afterflame[1)]	5	10	17	18	--	--	8	14	12	10	--	--	s
end of glowing[1)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
flames were extinguished after[1)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
smoke development (visual)	moderate						little						
dropping of burning material during 20 s[1)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
Appearance after test: burned out till max. height 12cm x width 4cm													

PN 32733:	**edge-test**						**surface-test**						Dim
samples no.	1	2	3	4	5	6	1	2	3	4	5	6	
ignition[1)]	1	1	1	1	--	--	3	3	3	3	--	--	s
reaching the mark of measurement[1)2)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
max. flame height	**6**	**10**	**5**	**6**	**--**	**--**	**5**	**5**	**5**	**5**	--	--	cm
time	6	12	6	6	--	--	8	9	6	6	--	--	
self cessation of the flames end of afterflame[1)]	6	12	6	7	--	--	8	10	7	7	--	--	s
end of glowing[1)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
flames were extinguished after[1)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
smoke development (visual)	moderate						little						
dropping of burning material during 20 s[1)]	-/-	-/-	-/-	-/-	--	--	-/-	-/-	-/-	-/-	--	--	s
Appearance after test: burned out till max. height 8cm x width 4cm													

[1)] time mentioned from the beginning of the test [2)] during 20 Sec -/- no appearance -- no information

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.