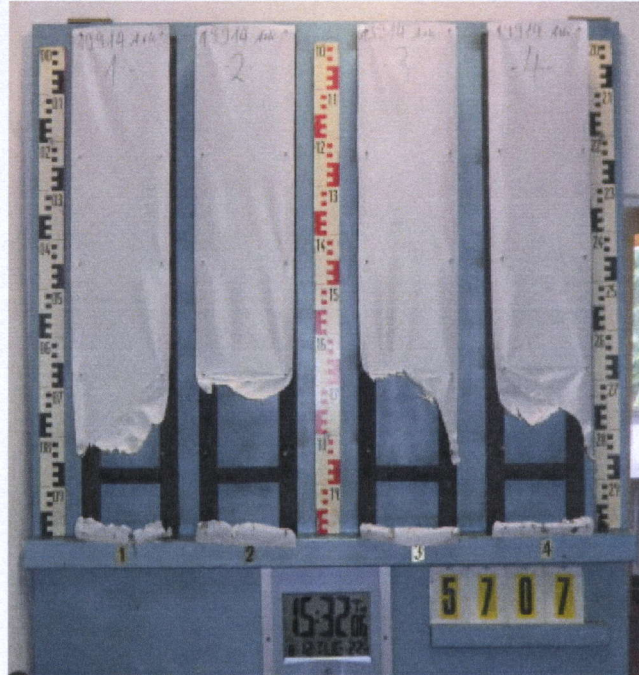
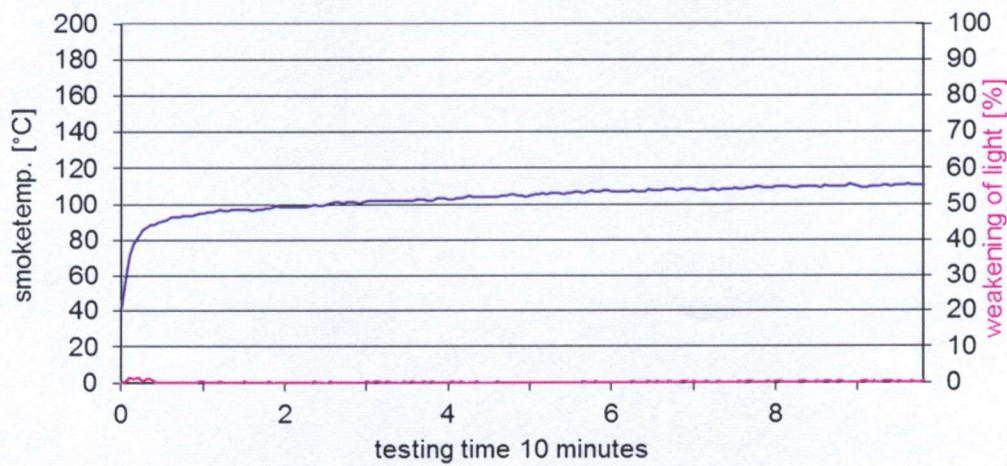


„Brandschacht“-test #5707

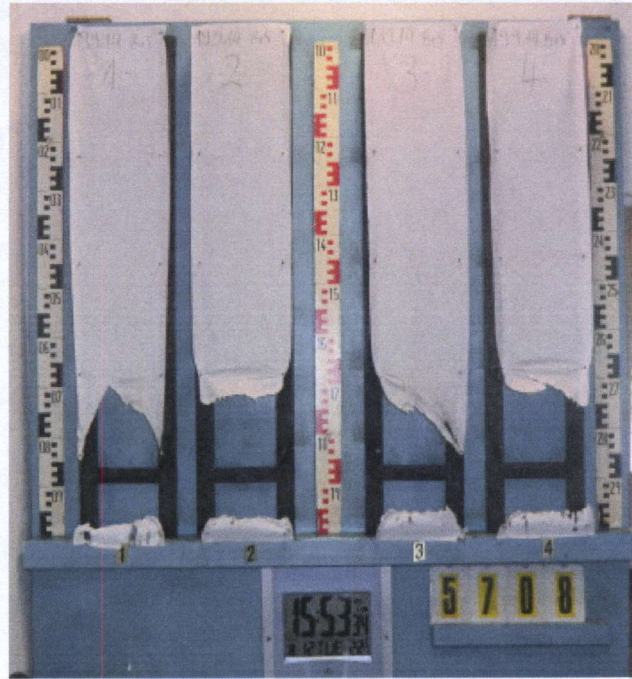


measurement

#5707, Georg + Otto Friedrich, "Art. 6046", A+K, PN 19914
residual length: 74cm, max. smoketemp.: 111°C, smoke-Int.: 1%/min

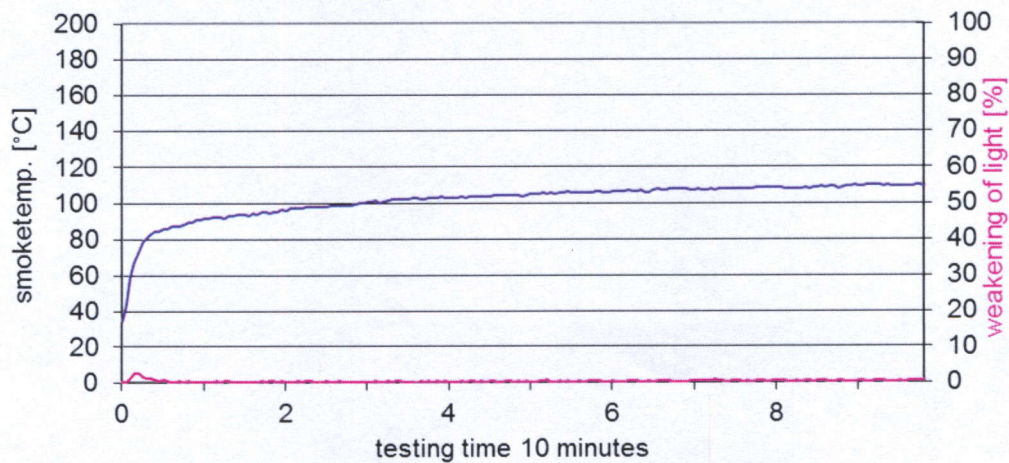


„Brandschacht“-test #5708

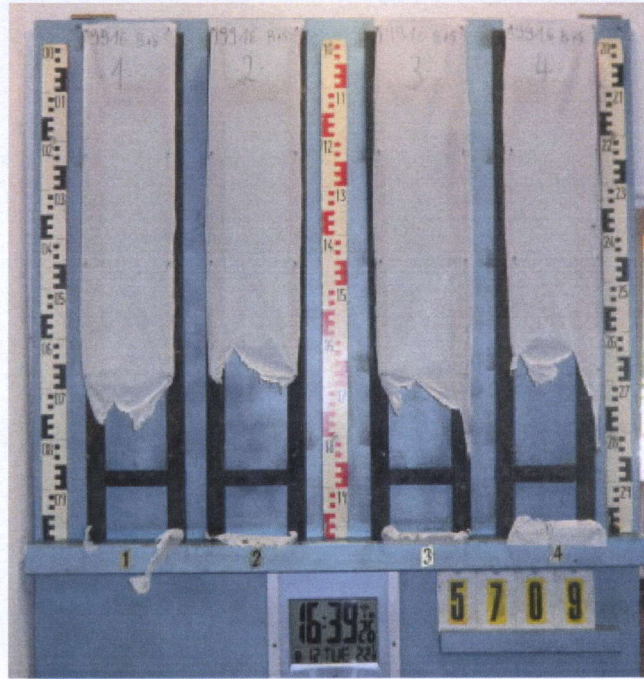


measurement

#5708, Georg + Otto Friedrich, "Art. 6046", B+S, PN 19914
residual length: 73cm, max. smoketemp.: 110°C, smoke-Int.: 2%/min

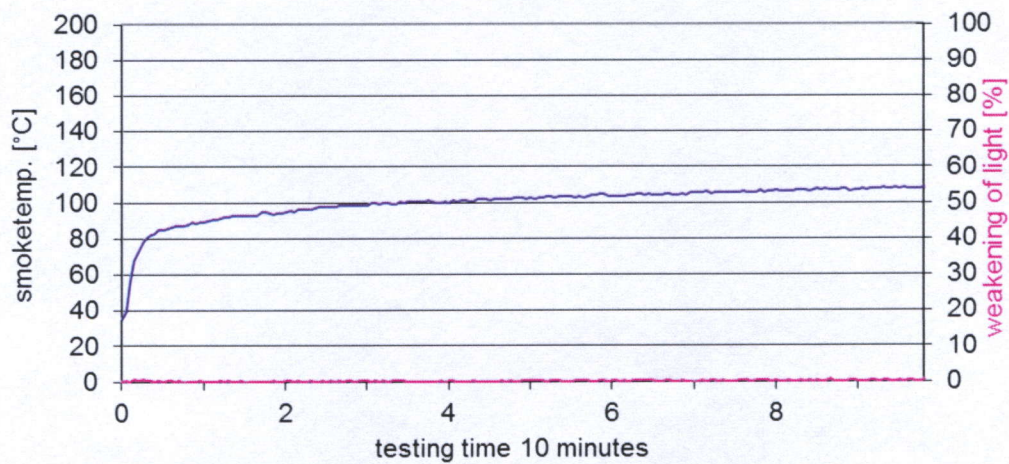


„Brandschacht“-test #5709



measurement

#5709, Georg + Otto Friedrich, "Art. 4035", B+S, PN 19916
residual length: 69cm, max. smoketemp.: 109°C, smoke-Int.: 2%/min



**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 / Flaming side A and side B
4. Date of test CW 33 in 2014
5. Results

PN 19914: flaming side A in warp	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	
ignition ¹⁾	1	1	1	1	1	--	./.	--	--	--	--	--	s
reaching the mark of measurement ¹⁾²⁾	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	s
max. flame height	9	8	9	9	7	--	1	--	--	--	--	--	cm
time	10	5	6	6	4	--	./.	--	--	--	--	--	
self cessation of the flames end of afterflame ¹⁾	11	7	7	9	5	--	./.	--	--	--	--	--	s
end of glowing ¹⁾	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	s
flames were extinguished after ¹⁾	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	s
smoke development (visual)	little-moderate						little-moderate						
dropping of burning material during 20 s ¹⁾	./.	./.	./.	./.	./.	--	./.	--	--	--	--	--	s
Appearance after test: burned out till max. height 11 cm x width 4 cm													

PN 19914: 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	
ignition ¹⁾	1	./.	1	--	--	--	2	1	2	--	--	--	s
reaching the mark of measurement ¹⁾²⁾	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
max. flame height	5	1	3	--	--	--	4	3	4	--	--	--	cm
time	3	./.	1	--	--	--	4	3	4	--	--	--	
self cessation of the flames end of afterflame ¹⁾	5	./.	2	--	--	--	7	4	7	--	--	--	s
end of glowing ¹⁾	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
flames were extinguished after ¹⁾	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
smoke development (visual)	little-moderate						little-moderate						
dropping of burning material during 20 s ¹⁾	./.	./.	./.	--	--	--	./.	./.	./.	--	--	--	s
Appearance after test: burned out till max. height 11 cm x width 3 cm													

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

PN 19916:	edge-test						surface-test						Dim
	1	2	3	4	5	6	1	2	3	4	5	6	
samples no.													
ignition ¹⁾	./.	./.	1	./.	--	--	1	1	2	./.	--	--	s
reaching the mark of measurement ¹⁾²⁾	./.	./.	./.	./.	--	--	./.	./.	./.	./.	--	--	s
max. flame height	1	1	5	1	--	--	4	3	2	1	--	--	cm
time	./.	./.	2	./.	--	--	2	3	2	./.	--	--	
self cessation of the flames end of afterflame ¹⁾	./.	./.	3	./.	--	--	3	6	3	./.	--	--	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 12 cm x width 4 cm													

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.

company

Georg+Otto Friedrich

Waldstraße 73

D-64868 Groß-Zimmern

description of samples

knitted fabric consisting of 100 % polyester (colour: white)

name of the material

„Polyesterwirkware 52 g/m² - 130 g/m²“