

Report of Brandschacht tests according to DIN 4102-1

Test-Nr.	01.52.5191.10	Date: 24 th Feb. 2010
Applicant	Endutex, Portugal	
Material tested	Polyester fabric, freely suspended tested	
Material name	Print MS 74 FR	

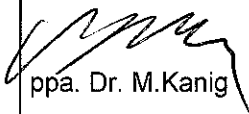
Material data

Test thickness	mm	Climatised storage	yes
weight per square meter	g/m ²	Preliminary end of test	no
density	kg/m ³		

Sample		A	B	C	D
First flaming*)	min, sec	<0:01			
Max. flame height	cm	60			
Point of time *)	min, sec	0:10			
First melting *)	min, sec	0:08			
Flames on reverse side of test unit *)	min, sec	-			
Influence on burner flame *)	min, sec	0:10			
Components drip down *)	min, sec	0:10			
Extent		low			
Continuation of burning on the perforated bottom**)	min, sec	< 0:02			
Max. effluent temperature	°C	119			
Appeared after *)	min, sec	10:00			
Effluent temperature after 10 min.	°C	119			
Smoke density		strong			
Afterglowing**)	min, sec	-			
Residual lengths	Sample 1	cm	61		
	Sample 2	cm	59		
	Sample 3	cm	54		
	Sample 4	cm	54		
Mean value of each single test	cm	57			

Remarks: 1:40 end of flame appearance

This test is an exploratory analysis and not a confirmation of building material class according to DIN 4102-1. The material has passed the Brandschacht test to DIN 4102-B1 in the above mentioned test arrangement. According to the application further Brandschacht tests and a B 2-test are required.


ppa. Dr. M. Kanig


i.V. U. Kielhorn

*) Time referred to the beginning of the test
**) Time period

	Requirements		
	A 1	A 2	B 1
Brandschacht			
- Residual length			
a) Mean value of each test	≥ 35 cm	≥ 35 cm	≥ 15 cm
b) each single value	≥ 20 cm	≥ 20 cm	≥ 0 cm
- Rauchgastemperatur	≤ 125 °C	≤ 125 °C	≤ 200 °C
- Entflammung auf der Probenrückseite	nein	nein	zulässig
- Brandparallelerscheinungen weitere Nachweise	kein Anlass zu Bedenken		
	750°C Ofen, Rauchdichte, Toxizität, ggf. Heizwert		B2-Brennkasten