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Bru Textiles
Satenrozen 2A
B - 2550 Kontich

Test Report N° 459293

Test assignment	Determination of the Flammability and of the Smoke Density of textiles non fixed to buildings according to the Directive of the Fire Police, testing of construction materials and parts, version 1988, according to SN 198898 (1987) ; Smoke determination acc. VKF
Client	Bru Textiles; B - 2550 Kontich
Test object	Delis
Client's ref	Tineke Verbruggen
Order dated	07.11.2011
Test object received	09.11.2011
Test performed	14. - 15.11.2011
Number of pages	3
Attachments	-

This report has a validity of five years (Valid till 16.11.2016).

271 - bpa - controlled by *J. Pe.*

Empa, Swiss Federal Laboratories for Materials Science and Technology
St. Gallen, 16.11.2011

Expert



Patrizia Ballistreri



Note The test results are valid solely for the tested object. The use of the test report for advertizing purposes, any reference to it or the publication of excerpts require the approval of the Empa (see Information Sheet). Test reports and supporting documents are retained for 10 years.

Test sample

Object (decl.)	Delis
Material (decl.)	100% Polyester
Weight approx. (decl.)	270g/m ²
Colour (decl.)	beige

Determination of the flammability according to SN 198'898 (1987)**Test conditions****Conditioning**

Samples min. 24h at (20 ± 2) °C / (65 ± 5) % rH.

Pre-treatment none, wash durability not tested!

Test procedure

The conditioned samples at a climate according to SNV 95150 are hung in a defined burning chamber and are put into contact at the lower edge with a defined (40 ± 2)mm long Propane gas flame during 3s and 15s. The burner is inclined by 30° relatively to the vertical line.

The damaged length and the afterglow time are assessed for samples which do not ignite; for those which extinct in the measuring length, the afterflame time is also assessed. For all other samples, the rate of flame spread between two markings is determined.

Requirements Peak of flame ≤ 400mm
 Afterflame time max. 5s
 Afterglow time max. 300s
 Damaged length max. 150mm
18 of 20 samples have to fulfil the Requirements

Result

Test condition as delivered (wash durability not tested!)

Sample N°	Flamespread time mm/s	Afterflame time s	Afterglow time s	Damaged length mm	melt and /or dropp off
Lengthwise: Ignition time 3s					
1	-	1	-	35	melt
2	-	0	-	47	melt
3	-	0	-	51	melt and dropp off
4	-	1	-	50	melt and dropp off *)
5	-	0	-	46	melt
Lengthwise: Ignition time 15s					
1	-	-	-	78	melt
2	-	-	-	89	melt
3	-	-	-	92	melt and dropp off
4	-	-	-	83	melt and dropp off
5	-	-	-	79	melt
Crosswise: Ignition time 3s					
1	-	0	-	35	melt
2	-	0	-	45	melt
3	-	0	-	28	melt
4	-	1	-	49	melt
5	-	-	-	37	melt
Crosswise: Ignition time 15s					
1	-	-	-	91	melt and dropp off
2	-	-	-	69	melt and dropp off *)
3	-	-	-	86	melt and dropp off
4	-	-	-	82	melt
5	-	-	-	80	melt

*) burning droplets

