

Testreport

2008-2035

19.11.2008

Test-procedure:

Testing of the burning behaviour to certificate the flammability according to resolution MSC.61(67), FTP Code, Annex 1, Part 7.

Test institute:

Bodycote Warrington Brandhaus,
Industriepark Höchst, C 369, D-65926 Frankfurt am Main

Customer:

AB Ludvig Svensson
Bangatan 8
SE-511 82 Kinna
Sweden

Manufacturer:

AB Ludvig Svensson
Bangatan 8, SE-511 82 Kinna, Sweden

Details of the product / test material:

Name of product: Article no.: 3083891 View
Composition: 99% PES, 1% Aluminium

Type of product: fabric
Use of product: decoration and curtain material

Date of arrival: 17.11.2008 **Date of test:** 19.11.2008

Details of the test specimen:

Test specimen for the flame application: 5 length and 5 width, dimensions: 220 mm x 170 mm

Nominal weight of square:		Determ. weight of square:	105 g/m ²
Colour top(test-)side:	white	Colour underside:	white
		Design of the fabric:	uni

Further remarks:

Preparations for test:

Climate storage (23°C / 50 % relative humidity): 48 h

Test arrangement: vertical

Ignition source: propane gas flame 40mm high

Surface ignition: 5 and 15 seconds

Edge ignition: 5 and 15 seconds

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Testresults:

Pre-test to determine the flame application:

Testroom: 21°C / 40% r. L.F.

Test direction: length

Fabric position

Ignition time

Flame time

Afterflame time

Sample parts

Ignition of the cotton waste

Length of char

Burning through any edge

Surface flash > 100mm

Specimen no.	1	2	3	4	5	Limits
S/E	S	S	E			
[s]	5	15	5			
[s]	5	5	5			
[s]	0	0	0			≤ 5
yes/no	no	no	no			
yes/no	no	no	no			No
[mm]	40	45	75			≤ 150
yes/no	no	no	no			No
yes/no	no	no	no			No

Test direction: width

Fabric position

Ignition time

Flame time

Afterflame time

Sample parts

Ignition of the cotton waste

Length of char

Burning through any edge

Surface flash > 100mm

Specimen no.	1	2	3	4	5	Limits
S/E	S	S	E			
[s]	5	15	5			
[s]	5	5	5			
[s]	0	0	0			≤ 5
yes/no	no	no	no			
yes/no	no	no	no			No
[mm]	40	45	80			≤ 150
yes/no	no	no	no			No
yes/no	no	no	no			No

S = surface ignition / E = edge ignition

Remarks:

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Determined flame application:

Testroom: 21 °C / 40% r. L.F.

Test direction: length

Specimen no.	1	2	3	4	5	Limits
S/E	S	S	S	S	S	
Ignition time [s]	15	15	15	15	15	
Flame time [s]	5	5	5	6	4	
Afterflame time [s]	0	0	0	0	0	≤ 5
Sample parts yes/no	no	no	no	no	no	
Ignition of the cotton waste yes/no	no	no	no	no	no	No
Length of char [mm]	80	90	70	85	75	≤ 150
Burning through any edge yes/no	no	no	no	no	no	No
Surface flash > 100mm yes/no	no	no	no	no	no	No

Test direction: width

Specimen no.	1	2	3	4	5	Limits
S/E	S	S	S	S	S	
Ignition time [s]	15	15	15	15	15	
Flame time [s]	4	5	6	4	5	
Afterflame time [s]	0	0	0	0	0	≤ 5
Sample parts yes/no	no	no	no	no	no	
Ignition of the cotton waste yes/no	no	no	no	no	no	No
Length of char [mm]	80	80	70	70	75	≤ 150
Burning through any edge yes/no	no	no	no	no	no	No
Surface flash > 100mm yes/no	no	no	no	no	no	No

S = surface ignition / E = edge ignition

Remarks:

Testreport 2008-2035**19.11.2008****Classification:****The tested material:**

Article no.: 3083891 View

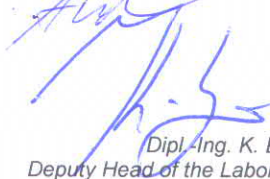
fulfills the requirements of the flammability test for vertically supported textiles and films according to IMO FTPC part 7

(test according to Resolution A.471 (12) amended by Resolution A.563 (14))

for the use as decoration and curtain material.**Remarks:**

The test results relate only the behaviour of the test specimen of a product under the particular conditions of the test. They are not intended to be the only criterion that can cause potential fire hazards of the product in use.

Remarks: These test results relate only to the behaviour of the test specimens under the particular conditions of the test. They are not intended to be the sole criterion for assessing the potential fire hazard of the product in use. The official version of the report is the German version.
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Distributor	Signatures
AB Ludvig Svensson Bangatan 8 SE-511 82 Kinna Sweden	Frankfurt am Main, den 19.11.2008 Prepared: Approved:  Anders  Dipl.-Ing. K. Bauer Deputy Head of the Laboratory