



Testing. Advising. Assuring.

Exova Warringtonfire, Frankfurt ist von der Bundesrepublik Deutschland anerkannte Prüfstelle für Brandprüfungen nach FTP-Code der IMO

Test report

No. 2013-1045

issued 22.01.2013

Applicant: Ludvig Svensson AB
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Schweden

Date of order: 09.01.2013
Date of sampling: no official sampling of the specimen by a representative
of Exova Warringtonfire, Frankfurt
Date of arrival: 09.01.2013
Date of test: 17.01.2013

Order

Testing of the burning behaviour according to Resolution MSC. 307(88), FTP Code 2010, Annex 1, Part 7, FTP Code 2010, Annex 1, Part 7, test for vertically supported textiles and films.

Description / designation of the test object

Article Midnight, 100% FR Polyester

Description of the relevant test procedure

Resolution MSC.307(88), FTP Code 2010, Annex 1, Part 7

Description of the specimen material

1.1 Details of the customer:

Article Midnight, 100% FR Polyester

Intended end use: Drapes

1.2 At the sample preparation from the Exova Warringtonfire, Frankfurt determined values:

fabric
colour: gold / beige
square weight: 203 g/m² (average)

Details of the test samples:

Test samples for the flame application: 4 length and 4 width, dimensions: 220 mm x 170 mm

Preparatory actions before the test:

Clima storage (23°C / 50 % relative humidity): > 24 h

Test arrangement: vertical

Ignition source: Propane gas flame 40mm high

Surface ignition: 5 and 15 seconds

Edge ignition: 5 and 15 seconds

2. 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
E/S	E	E	S	S		
[s]	5	15	5	15		
[s]	3	4	3	3		
[s]	0	0	0	0		≤ 5
yes/no	no	no	no	no		
yes/no	no	no	no	no		No
[mm]	80	85	35	35		≤ 150
yes/no	no	no	no	no		No
yes/no	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
E/S	E	E	S	S		
[s]	5	15	5	15		
[s]	3	4	2	3		
[s]	0	0	0	0		≤ 5
yes/no	no	no	no	no		
yes/no	no	no	no	no		No
[mm]	70	75	35	35		≤ 150
yes/no	no	no	no	no		No
yes/no	no	no	no	no		No

S = surface ignition / E = edge ignition

Remarks:

Determined flame application:

Testroom: 21 °C / 40% r. L.F.

Test direction: length

Article Nova 4 2034140 601 / white / 215 g/m²

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	E	E	E	E	E	
[s]	15	15	15	15	15	
[s]	4	4	5	5	4	
[s]	0	0	0	0	0	≤ 5
yes/no	no	no	no	no	no	
yes/no	no	no	no	no	no	No
[mm]	80	80	85	85	80	≤ 150
yes/no	no	no	no	no	no	No
yes/no	no	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

S = surface ignition / E = edge ignition

Specimen no.	1	2	3	4	5	Limits
S/E	E	E	E	E	E	
[s]	15	15	15	15	15	
[s]	3	3	3	4	4	
[s]	0	0	0	0	0	≤ 5
yes/no	no	no	no	no	no	
yes/no	no	no	no	no	no	No
[mm]	70	75	75	75	75	≤ 150
yes/no	no	no	no	no	no	No
yes/no	no	no	no	no	no	No

Remarks:

3. Classification:

The in the test determined result showed, that the in chapter 1 described material fulfilled the requirements according to Resolution MSC.307(88), FTP Code 2010, Annex 1, Part 7, test for vertically supported textiles and films.

4. Special comment

The test result is only valid for the in chapter 1 described material.

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.

Frankfurt 22th January 2013

A handwritten signature in blue ink, appearing to read "Anders".

H. Anders
Tester in charge

A handwritten signature in blue ink, appearing to read "Zachäus".

Dipl.-Ing. T. Zachäus
Laboratory supervisor

The results of the tests relate only to the behaviour of the test sample which is designated on the top.
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This test report is a translation of the German version 2013-1045 (issued 22.01.2013). In case of doubt only the German version is valid
This test report contains 5 pages.