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Testing. Advising. Assuring.

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

Test report
No. 2014-1331
issued 28.03.2014

Applicant: Ludvig Svensson AB
Bangatan 8
511 82 Kinna
Schweden

Date of order: 07.03.2014
Date of sampling: no official sampling of the specimen by a representative of Exova Warringtonfire, Frankfurt
Date of arrival: 07.03.2014
Date of test: 28.03.2014

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

Name: Volt, Material: 100% Polyester, <1 % Aluminium

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:

Name: Volt, Material: 100% Polyester, <1 % Aluminium

Intended end use
of product: Vertical blinds

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

One side aluminized fabric

Colour: Front: aluminium, rear: grey (stripe design)

Thickness: 0,3 mm (average)

Square weight: 130 g/m² (average)

Details of the test samples:

Test samples fort he flame application: 5 length and 5 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	Specimen no.	1	2	3	4	5	**Limits**
Fabric position	E/S	E	E	S	S		
Ignition time	[s]	5	15	5	15		
Flame time	[s]	4	3	3	2		
Afterflame time	[s]	0	0	0	0		≤ **5**
Sample parts	yes/no	no	no	no	no		
Ignition of the cotton waste	yes/no	no	no	no	no		**No**
Length of char	[mm]	40	50	80	60		≤ **150**
Burning through any edge	yes/no	no	no	no	no		**No**
Surface flash > 100mm	yes/no	no	no	no	no		**No**

Test direction: width	Specimen no.	1	2	3	4	5	**Limits**
Fabric position	E/S	E	E	S	S		
Ignition time	[s]	5	15	5	15		
Flame time	[s]	3	3	4	3		
Afterflame time	[s]	0	0	0	0		≤ **5**
Sample parts	yes/no	no	no	no	no		
Ignition of the cotton waste	yes/no	no	no	no	no		**No**
Length of char	[mm]	40	40	70	80		≤ **150**
Burning through any edge	yes/no	no	no	no	no		**No**
Surface flash > 100mm	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	Specimen no.	1	2	3	4	5	**Limits**
Fabric position	S/E	S	S	S	S	S	
Ignition time	[s]	15	15	15	15	15	
Flame time	[s]	5	3	3	2	3	
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]	70	90	80	70	70	**≤ 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**
Fabric position	S/E	S	S	S	S	S	
Ignition time	[s]	15	15	15	15	15	
Flame time	[s]	3	2	3	3	3	
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]	70	90	60	70	60	**≤ 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: strong smoke production

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 28st March 2014

P. Scheinkönig
Tester in charge

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