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Testing. Advising. Assuring.

Test report no. 2014-1452-2

issued 12.03.2014

Applicant: Vescom BV
St. Jozefstraat 20

NL-5753 AB Deurne

Date of order: 07.11.2013
Date of sampling: no official sampling of the specimen from
a representative of the Exova
Warringtonfire, Frankfurt
Date of arrival: 07.11.2013, 29.01.2014 and 28.02.2014
Date of test: 08.11.2013, 26.02.2014 and 05.03.2014
Test No.: 2014-1121

Order

Testing of the flammability according to BS 5867 part 2 type C

Description / designation of the test object

Fabric sample designated as article P8A-10139-Belene-8002.01, -8002.05 and -8002.07,
Milos 8008.08, Etolin 8014.04, York 8035 and P43 A

Description of the relevant test procedure

BS 5867 part 2 type C: 2008

BS EN ISO 15025:2002

1. Beschreibung des Probenmaterials

1.1 Details of the customer::

Fabric sample designated as article P8A-10139-Belene-8002.01, -8002.05 and -8002.07, Milos 8008.08, Etolin 8014.04, York 8035 and P43 A

These samples represent a selection of the articles listed in table 1.

Product type: Fabric
 Use: Decorative fabric and curtains, different colours and designs
 Nominal square weight range: 23 g/m² up to 315 g/m²

Table 1

designation Vescom	number Vescom	square weight [g/m ²]
Morgan	8030	212
Eden	8036	23
Dinas	8040	45
Tilos	8038	62
Carra	8041	71
Cedros	8039	74
York	8035	78
Syrna	8033	82
Carmen	8024	86
Long	8037	88
Arkoi	8042	91
Nora	8032	92
Marmara	8025	104
Leros	8010	110
Formoza	8026	133
Ombo	8044	161
Etolin	8014	166
Salina	8021	170
Naltar	8034	190
Erwa	8031	197
Burano	8003	205
Romo	8028	212

designation Vescom	number Vescom	square weight [g/m ²]
Morgan	8030	212
Nelson	8029	212
Sindo	8027	212
Faray	8007	223
Minu	8004	251
Mindoro	8015	263
Flint	8001	266
Amanu	8006	275
Belene	8002	288
Fara	8017	289
Lavan	8022	294
Mioko	8013	295
Flores	8018	297
Milos	8008	315

1.2 At the specimen preparation by the Exova Warringtonfire, Frankfurt determined values:

Fabric samples (tissues), various colours and designs

sample No.	article	colour	thickness	Square weight
1	P8A-10139-Belene-8002.01	beige	0,5 mm	286 g/m ²
2	P8A-10139-Belene-8002.05	rot	0,5 mm	291 g/m ²
3	P8A-10139-Belene-8002.07	braun	0,5 mm	282 g/m ²
4	Milos 8008.08	braun-grau	0,6 mm	343 g/m ²
5	Etolin 8014.04	braun-violett	0,3 mm	169 g/m ²
6	York 8035	orange-grau	0,2 mm	76 g/m ²
7	P43 A	violett	0,1 mm	24 g/m ²

Determined surface weight range:

24 g/m² up to 343 g/m²

Determined thickness range:

from approx. 0.1 mm up to 0.6 mm

The samples were stored before testing under climatic conditions (23°C / 50 % rel. humidity).

Testing of the samples without additional after treatment

Because the article Etolin 8014.04 in preliminary tests showed the most critical behaviour, has been on this article carried out a full test.

2. Test results

2.1 Test sheet according to BS 5867 part2

Specimen in direction of production: article P8A-10139-Belene-8002
specimen 1+2: -8002.01, specimen 3+4: -8002.05, specimen 5+6: -8002.07

specimen No.	1	2	3	4	Limits
Kind of ignition	S	S	S	S	
Exposed surface	F	B	F	B	
Ignition time	5	5	5	5	
Flame time	1	2	1	3	
After flame time	0	0	0	0	≤ 2,5
After glow time	0	0	0	0	≤ 2,5
Separating of sample parts	no	no	no	no	
Separating of burning sample parts	no	no	no	no	no
Burned length	40	30	40	30	
Burning through any edge	no	no	no	no	no

specimen No.	5	6	7	8	Limits
Kind of ignition	S	S	S	S	
Exposed surface	F	B	F	B	
Ignition time	5	5			
Flame time	1	2			
After flame time	0	0			≤ 2,5
After glow time	0	0			≤ 2,5
Separating of sample parts	no	no			
Separating of burning sample parts	no	no			no
Burned length	40	30			
Burning through any edge	no	no			no

f = frontside / b = backside
S = surface ignition / E = edge ignition

Remarks: none

2.2 Test sheet according to BS 5867 part2

Specimen cross to direction of production: article P8A-10139-Belene-8002
specimen 1+2: -8002.01, specimen 3+4: -8002.05, specimen 5+6: -8002.07

specimen No.	1	2	3	4	Limits
Kind of ignition	S	S	S	S	
Exposed surface	F	B	F	B	
Ignition time	[s] 5	5	5	5	
Flame time	[s] 1	2	2	1	
After flame time	[s] 0	0	0	0	≤ 2,5
After glow time	[s] 0	0	0	0	≤ 2,5
Separating of sample parts	yes/no no	no	no	no	
Separating of burning sample parts	yes/no no	no	no	no	no
Burned length	[mm] 30	30	30	30	
Burning through any edge	yes/no no	no	no	no	no

specimen No.	5	6	7	8	Limits
Kind of ignition	S	S	S	S	
Exposed surface	F	B	F	B	
Ignition time	[s] 5	5			
Flame time	[s] 3	3			
After flame time	[s] 0	0			≤ 2,5
After glow time	[s] 0	0			≤ 2,5
Separating of sample parts	yes/no no	no			
Separating of burning sample parts	yes/no no	no			no
Burned length	[mm] 35	40			
Burning through any edge	yes/no no	no			no

f = frontside / b = backside
S = surface ignition / E = edge ignition

Remarks: none

2.3 Test sheet according to BS 5867 part2

Specimen in direction of production: specimen 1+2: article P43A, specimen 3+4: article York 8035, specimen 5+6: article Milos 8008.08

specimen No.	1	2	3	4	Limits	
Kind of ignition	F/K	S/E	S	S	S	
Exposed surface	V/R	F/B	F	B	F	
Ignition time	[s]	5	5	5	5	
Flame time	[s]	0	0	3	2	
After flame time	[s]	0	0	0	0	≤ 2,5
After glow time	[s]	0	0	0	0	≤ 2,5
Separating of sample parts	yes/no	no	no	no	no	
Separating of burning sample parts	yes/no	no	no	no	no	no
Burned length	[mm]	60	50	50	50	
Burning through any edge	yes/no	no	no	no	no	no

specimen No.	5	6	7	8	Limits	
Kind of ignition	F/K	F	F	F	F	
Exposed surface	V/R	V	R	V	R	
Ignition time	[s]	5	5			
Flame time	[s]	5	5			
After flame time	[s]	0	0			≤ 2,5
After glow time	[s]	0	0			≤ 2,5
Separating of sample parts	yes/no	no	no			
Separating of burning sample parts	yes/no	no	no			no
Burned length	[mm]	30	30			
Burning through any edge	yes/no	no	no			no

f = frontside / b = backside

S = surface ignition / E = edge ignition

Remarks: none

Bemerkungen:keine

2.4 Test sheet according to BS 5867 part2

Specimen cross to direction of production: specimen 1+2: article P43A, specimen 3+4: article York 8035, specimen 5+6: article Milos 8008.08

specimen No.	1	2	3	4	Limits	
Kind of ignition	F/K	S/E	S	S	S	
Exposed surface	V/R	F/B	F	B	F	
Ignition time	[s]	5	5	5	5	
Flame time	[s]	0	0	1	1	
After flame time	[s]	0	0	0	0	≤ 2,5
After glow time	[s]	0	0	0	0	≤ 2,5
Separating of sample parts	yes/no	no	no	no	no	
Separating of burning sample parts	yes/no	no	no	no	no	no
Burned length	[mm]	60	60	40	40	
Burning through any edge	yes/no	no	no	no	no	no

specimen No.	5	6	7	8	Limits	
Kind of ignition	S/E	S	S	S	S	
Exposed surface	F/B	F	B	F	B	
Ignition time	[s]	5	5			
Flame time	[s]	5	5			
After flame time	[s]	0	0			≤ 2,5
After glow time	[s]	0	0			≤ 2,5
Separating of sample parts	yes/no	no	no			
Separating of burning sample parts	yes/no	no	no			no
Burned length	[mm]	30	30			
Burning through any edge	yes/no	no	no			no

f = frontside / b = backside
 S = surface ignition / E = edge ignition

Remarks: none

2.5 Test sheet according to BS 5867 part2

Specimen in direction of production: article Etolin 8014.04

specimen No.	1	2	3	4	Limits
Kind of ignition	S	S	S	S	
Exposed surface	F	B	F	B	
Ignition time	[s] 5	5	15	15	
Flame time	[s] 1	2	1	3	
After flame time	[s] 0	0	0	0	≤ 2,5
After glow time	[s] 0	0	0	0	≤ 2,5
Separating of sample parts	yes/no	no	no	no	
Separating of burning sample parts	yes/no	no	no	no	no
Burned length	[mm] 30	40	50	40	
Burning through any edge	yes/no	no	no	no	no

specimen No.	5	6	7	8	Limits
Kind of ignition	S	S	S	S	
Exposed surface	F	B	F	B	
Ignition time	[s] 20	20	30	30	
Flame time	[s] 2	3	2	1	
After flame time	[s] 0	0	0	0	≤ 2,5
After glow time	[s] 0	0	0	0	≤ 2,5
Separating of sample parts	yes/no	no	no	no	
Separating of burning sample parts	yes/no	no	no	no	no
Burned length	[mm] 50	50	50	50	
Burning through any edge	yes/no	no	no	no	no

f = frontside / b = backside
 S = surface ignition / E = edge ignition

Remarks: none

2.6 Test sheet according to BS 5867 part2

Specimen cross to direction of production: article Etolin 8014.04

specimen No.	1	2	3	4	Limits
Kind of ignition	S	S	S	S	
Exposed surface	F	B	F	B	
Ignition time	[s] 5	5	15	15	
Flame time	[s] 1	1	1	2	
After flame time	[s] 0	0	0	0	≤ 2,5
After glow time	[s] 0	0	0	0	≤ 2,5
Separating of sample parts	yes/no	no	no	no	
Separating of burning sample parts	yes/no	no	no	no	no
Burned length	[mm] 30	40	50	50	
Burning through any edge	yes/no	no	no	no	no

specimen No.	5	6	7	8	Limits
Kind of ignition	S	S	S	S	
Exposed surface	F	B	F	B	
Ignition time	[s] 20	20	30	30	
Flame time	[s] 2	2	1	2	
After flame time	[s] 0	0	0	0	≤ 2,5
After glow time	[s] 0	0	0	0	≤ 2,5
Separating of sample parts	yes/no	no	no	no	
Separating of burning sample parts	yes/no	no	no	no	no
Burned length	[mm] 50	50	50	50	
Burning through any edge	yes/no	no	no	no	no

f = frontside / b = backside
 S = surface ignition / E = edge ignition

Remarks: none

3. Assessment

The materials No. 1-7, described in chapter one, fulfills the requirements according to BS 5867 part 2 type C.

4. Special comment

The test result is valid for the materials, described in chapter one, in the tested square weights, thicknesses, colours and designs.

According to the experiences of the testing laboratory, also square weights, thicknesses, colours and designs with the same or lower organic content are included.

In combination with other materials (for example coatings, deposits) the burning behaviour could be influenced unfavourable so that the classification above is not valid any longer.

This test report replace the test reports 2014-1452 issued 10.04.2014 and 2014-1452-1 issued 14.07.2014 (date of signature), which are invalid from now on.

Frankfurt 29th January 2015

A handwritten signature in blue ink, appearing to be "P. Scheinkönig".

P. Scheinkönig
Verantwortlicher Prüfer

A handwritten signature in blue ink, appearing to be "H. Bräuer".

Dipl.-Ing. H. Bräuer
Leiter Exova Warringtonfire, Frankfurt

These test results relate only to the behavior 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.
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This Test report is a translation of the German version 2014-1452-1 (issued 12.03.2014). In case of doubt only the German version is valid
This test report contains 10 pages.