

Client: Crevin, s.a.
Pol.Ind.Santa Margarita I
C/Llobregat, 21
08223 Terrassa (BCN)
Spain

Entry No: 65610

Date received: 16/06/2014

Client's Description: Sample of fabric DAS-FR

TEST REPORT

Test Required: Flammability in accordance with The Furniture and Furnishings (Fire) (Safety) Regulations 1988 and Amendments Schedule 4 Part I and Schedule 5 Part I

Pre-treatment: None

Conditioning: A minimum of 96 hours at 50 +/- 20% Relative Humidity, 20 +/- 5°C

Method of Test: BS 5852 : Part 1 : 1979

Date of Test: 24/06/2014

The following test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Ignition Source	Observations	Result
0 (cigarette)	No flaming or progressive smouldering was observed within one hour of placement of the cigarettes.	PASS
1 (butane flame)	Flaming ceased within the specified two minute period after removal of the butane flame and no progressive smouldering occurred.	PASS

Note: 20-22 kg/m³ non fire retardant polyurethane foam was used as the filling.

Comments

On the basis of the tests carried out this sample of fabric meets the requirements of Schedule 4 Part 1 and Schedule 5 Part I.

-----End of Document-----

This is hereby certified to be a correct return of the tests made of the items referred to herein.




Geoff Briggs C.Text., A.T.I.
Head of laboratory
25th June 2014

- ❖ Unless instructed otherwise by the client sample remnants will be disposed of after 28 days
- ❖ Test marked (*) in this certificate are not included in the UKAS Accreditation Schedule for this Laboratory.
- ❖ Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
- ❖ This Certificate relates only to the sample received and, unless that sample has been drawn by the staff of this laboratory, or its agent, and endorsed accordingly, any application of the result to a bulk quantity or other material is entirely the responsibility of the client.



Client: Crevin, s.a.
Pol.Ind.Santa Margarita I
C/Llobregat, 21
08223 Terrassa (BCN)
Spain

Entry No: 65610-02

Date received: 16/06/2014

Client's Description: Sample of fabric DAS-FR

TEST REPORT

Test Required: Flammability BS 7176 Low Hazard
Pre-treatment: None
Conditioning: A minimum of 24 hours at 50 +/- 5% Relative Humidity, 23 +/- 2°C
Method of Test: BS EN 1021-1:2006 – smouldering cigarette
BS EN 1021-2:2006 – match flame equivalent
Date of Test: 24/06/2014

Ignition Source	Observations	Result
Smouldering cigarette	No flaming or progressive smouldering was observed within one hour of placement of the cigarettes.	PASS
Match flame equivalent	Flaming ceased within the specified two minute period after removal of the butane flame and no progressive smouldering occurred.	PASS

Note: A 35 kg/m³ CMHR foam (Carpenters RX36-125) which meets the requirements of Annex A of BS 7176 was used as the filling

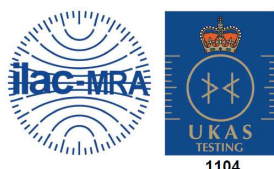
The above results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Comments

BS 7176 : 2007 + A1 : 2011 relates to labelling of furniture. If an item of furniture was manufactured from a composite of the fabric and foam tested above then it would comply with the low hazard category flammability requirements provided that it was tested every 2.500 units or once per month as required by Para 5 of BS 7176.

-----End of Document-----

This is hereby certified to be a correct return of the tests made of the items referred to herein.




D J Brockbank
Materials Testing Manager
26th January 2015

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Pol.Ind.Santa Margarita I
C/Llobregat, 21
08223 Terrassa (BCN)
Spain

Entry No: 65610-01

Date received: 16/06/2014

Client's Description: Sample of fabric DAS-FR

TEST REPORT

Test Required: Flammability
Pre-treatment: None
Conditioning: A minimum of 24 hours at 50 +/- 5% Relative Humidity, 23 +/- 2°C
Method of Test: BS EN 1021-1:2006 – smouldering cigarette
BS EN 1021-2:2006 – match flame equivalent
Date of Test: 24/06/2014

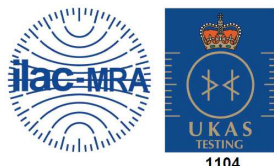
Ignition Source	Observations	Result
Smouldering cigarette	No flaming or progressive smouldering was observed within one hour of placement of the cigarettes.	PASS
Match flame equivalent	Flaming ceased within the specified two minute period after removal of the butane flame and no progressive smouldering occurred.	PASS

Note: A 35 kg/m³ CM foam (Carpenters RX36-125) was used as the filling.

The above tests relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

-----End of Document-----

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Geoff Briggs C.Text., A.T.I.
Head of laboratory
25th June 2014

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**Test report Martindale Abrasion
NS-EN 12947-2 :1999**

Client Crevin,s.a. Pol.Ind.Sta. Margarita c/ Llobregat, 21 08223 Terassa (Barcelona) Spania		Product DAS-FR Product specification - tested object	
Client's reference Pep Margarit		R-no. R15252	
Date 12.08.2014	Date of receipt, tested object 04.08.2014	Test completed date 12.08.2014	Rev. no. / Rev. date 0/

Manufacturer: Crevin
 Composition: 48%PP 21%MA 17% CO 14% PES
 Pressure : 795 g(12 kPa) Type felt: Woven
 The samples are conditioned at 20 degrees C and 65 % relative humidity for 18 hours

Determination of the abrasion resistance of textiles on a Martindale testmachine according to NS-EN 12947-2. Circular specimens of fabric are abraded against a reference fabric. For woven fabrics the resistance to abrasion is estimated by number when two threads are broken. For pile fabrics the resistance to abrasion is estimated by the number of cycles when the pile is fully worn off. For nonwovens the resistance to abrasion is estimated by the number when there is a hole of 0.5mm. The average of four samples gives the results. The test is stopped and evaluated every 2000 cycles. The last value before breakdown is therefore 2000 cycles lower than the given value.

<p>Sample no. 1: 32000 Sample no. 2: 32000 Sample no. 3: 32000 Sample no. 4: 32000 Average 4 Samples: 32000</p>

Comments:

Deviations from test standards:3 yarns breaking



Bård Vestre
Manager

**Test report - Abrasion Resistance
EN ISO 12947/4:1998, EN 14465:2003
(Shade change 3000 cycles)**

Client Crevin,s.a. Pol.Ind.Sta. Margarita c/ Llobregat, 21 08223 Terassa (Barcelona) Spainia		Product DAS-FR	
Client's reference Pep Margarit		Product specification - tested object	
Date 27.01.2015	Date of receipt, tested object 04.08.2014	R-no. R15252	Test completed date 27.01.2015
		Rev. no. / Rev. date 0/	

Manufacturer:

Composition: 49% PP, 33% PES, 18% CO

Type felt: Woven

The samples are conditioned at 20 degrees C and 65 % relative humidity for 18 hours

Results:

3000 Cycles: 5

Comments:

Deviations from test standards:



Bård Vestre
Manager

**Test report Textile Pilling
NS-EN ISO 12945-2 :2000**

Client Crevin,s.a. Pol.Ind.Sta. Margarita c/ Llobregat, 21 08223 Terassa (Barcelona) Spania		Product DAS-FR Product specification - tested object	
Client's reference Pep Margarit		R-no. R15252	
Date 27.01.2015	Date of receipt, tested object 04.08.2014	Test completed date 26.01.2015	Rev. no. / Rev. date 0/

Manufacturer:

Composition: 48% PP 21% MA 17% CO 14% PES

Loading Mass : 415 g Type felt: Woven

The samples are conditioned at 20 degrees C and 65 % relative humidity for 18 hours

Numerical assessment of pilling is done on a Martindale abrasion tester according to NS-EN ISO 12945-2. The samples are given a multi-directional movement and are rubbed against fabric of 100% wool (SM 25). 3 samples are used and they are examined on 500, 1000, 2000 and 5000 rubs. The average on each stage is reported as the pilling grade.

The samples are examined on a scale from 1-5 where 5 is best. Examined by 1 person.

Results: 2000 Cycles: 5
7000 Cycles: 5

Comments:

Deviations from test standards: Intervals 2000,7000



Bård Vestre
Manager

**Test report Resitance against rubbing
EN ISO 105 X12**

Client Crevin,s.a. Pol.Ind.Sta. Margarita c/ Llobregat, 21 08223 Terrassa (Barcelona)		Product DAS-FR	
Client`s reference Pep Margarit		Product description	
Date 27.01.2015	Revision nr./Revision date 0/	Date of receipt, tested object 04.08.2014	Test completed date 26.01.2015
		R-no. R15252	

MANUFACTURER:	
COMPOSITION:	48% PP 21% MA 17% CO14% PES

A white piece of fabric is rubbed against the testspecimen.
Two tests are performed: one dry and one wet.
The grade goes from 1 to 5 with 5 as the best.

RESULT DRY:5

RESULT WET:5

Comments:

Deviations from test standards:



Bård Vestre
Manager