



## TEST REPORT

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

**Entry No:** 80669

**Date received:** 25/11/2016

**Client's Description:** Sample of fabric: MATRIX, Composition: 32% WO 32% PAN 30% PP 6% PES

**Test Required:** Flammability

**Pre-treatment:** None

**Conditioning:** A minimum of 24 hours at 50+/-5% Relative Humidity, 23+/-2°C

**Date Tests Completed:** 01/12/2016

**Method of Test:** BS EN 1021-1:2014 – smouldering cigarette <sup>F</sup>  
 BS EN 1021-2:2014 – match flame equivalent <sup>F</sup>

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

**Note:** A 35 kg/m<sup>3</sup> CMHR 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-----

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



Dale Brockbank  
 Materials Testing Manager  
 08 December 2016

- ❖ Unless instructed otherwise by the client sample remnants will be disposed of after 28 days.
  - ❖ Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
  - ❖ Tests marked <sup>F</sup> in this certificate are performed under the Laboratory's Flexible Scope of Accreditation.
  - ❖ Uncertainty budgets for test methods contained within this report are available on request.
- 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.



1104



## TEST REPORT

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

**Entry No:** 80669-01

**Date received:** 25/11/2016

**Client's Description:** Sample of fabric: MATRIX, Composition: 32% WO 32% PAN 30% PP 6% PES

**Test Required:** Flammability BS 7176 Low Hazard

**Pre-treatment:** None

**Conditioning:** A minimum of 24 hours at 50+/-5% Relative Humidity, 23+/-2°C

**Date Tests Completed:** 01/12/2016

**Method of Test:** BS EN 1021-1: 2006 – smouldering cigarette  
 BS EN 1021-2: 2006 – match flame equivalent

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/m<sup>3</sup> CMHR foam (Carpenters RX36-125) which meets the requirements of Annex A of BS 7176 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.

### 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*



Dale Brockbank  
 Materials Testing Manager  
 08 December 2016

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  - ❖ Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
  - ❖ Uncertainty budgets for test methods contained within this report are available on request.
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1104



## TEST REPORT

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

**Entry No:** 82762

**Date received:** 06/02/2017

**Client's Description:** Sample of fabric: MATRIX, Composition: 32% WO 32% PAN 30%PP 6% PES

**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:** Water soaking in accordance with BS5651:1978 Clause 4 followed by Line drying

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

**Date Tests Completed:** 17/02/2017

**Method of Test:** BS 5852: Part 1: 1979

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:** A 20-22 kg/m<sup>3</sup> non fire retardant polyurethane foam was used as the filling for the tests.

### Comments

On the basis of the tests carried out this sample of fabric meets the requirements of Schedule 4 Part I and also meets 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*



Dale Brockbank  
 Materials Testing Manager  
 17 February 2017

- ❖ Unless instructed otherwise by the client sample remnants will be disposed of after 28 days.
  - ❖ Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
  - ❖ Uncertainty budgets for test methods contained within this report are available on request.
- 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.



1104

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

Client <b>Crevin,s.a. Pol. Ind. Santa Margarita I C/ Llobregat, 21 08223 TERRASSA Spania</b>		Product <b>T-93468</b>	
Client's reference Pep Margarit		Product specification - tested object	
Date 18.02.2016		Date of receipt, tested object 15.02.2016	R-no. <b>R15686</b>
		Test completed date 16.02.2016	Rev. no. / Rev. date 0/

Manufacturer:

Composition:

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: 4-5**  
                              **7000 Cycles: 4-5**

**Comments:**

**Deviations from test standards:**



Bård Vestre  
Manager

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

Client <b>Crevin,s.a. Pol. Ind. Santa Margarita I C/ Llobregat, 21 08223 TERRASSA Spania</b>		Product <b>T-93468</b>	
Client's reference <b>Pep Margarit</b>		Product specification - tested object	
Date <b>25.02.2016</b>		Date of receipt, tested object <b>15.02.2016</b>	R-no. <b>R15686</b>
Test completed date <b>23.02.2016</b>		Rev. no. / Rev. date <b>0/</b>	

Manufacturer:

Composition: 75% PP, 25% PES

Pressure : 795 g(12 kPa) Type felt: Woven

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

**Results:**

**3000 Cycles: 4/5**

**Comments:**

**Deviations from test standards:**



Bård Vestre  
Manager

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

Client <b>Crevin,s.a. Pol. Ind. Santa Margarita I C/ Llobregat, 21 08223 TERRASSA Spania</b>		Product <b>T-93468</b>	
Client's reference Pep Margarit		Product specification - tested object	
Date 29.02.2016		Date of receipt, tested object 15.02.2016	R-no. <b>R15686</b>
		Test completed date 29.02.2016	Rev. no. / Rev. date 0/

Manufacturer:

Composition:

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.

<p><b>Sample no. 1: 50000</b></p> <p><b>Sample no. 2: 54000</b></p> <p><b>Sample no. 3: 54000</b></p> <p><b>Sample no. 4: 54000</b></p> <p><b>Average 4 Samples: 53000</b></p>
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Comments:

Deviations from test standards:

Bård Vestre  
Manager

**Testreport Seam Slippage  
NS-EN 13936-2**

Client <b>Crevin,s.a.</b> Pol. Ind. Santa Margarita I C/ Llobregat, 21 08223 TERRASSA Spania		Product <b>T-93468</b>	
Client's reference Pep Margarit		Product specification - tested object	
Date 12.04.2016		Date of receipt, tested object 15.02.2016	R-no. <b>R15686</b>
		Test completed date 08.04.2016	Rev. no. / Rev. date 0/

MANUFACTURER:

COMPOSITION:

Determination of the seam tension properties according to NS EN ISO 13936-2.  
Five specimens are taken in each direction.  
The testspecimens are folded and sewn. The specimens are set in a tensile strength tester.  
A force of 180 N is applied. The gap is measured in mm to nearest 0,5 mm.

**SEAM PARALLELL TO WEFT:**

**SEAM PARALLELL TO WARP:**

Sample no.1:	3,0 mm	3,0 mm
Sample no.2:	3,0 mm	3,0 mm
Sample no.3:	3,0 mm	3,0 mm
Sample no.4:	3,0 mm	3,0 mm
Sample no.5:	3,0 mm	3,0 mm
<b>Average Seamgap:</b>	<b>3,0 mm</b>	<b>3,0 mm</b>

Comments:

Deviations from test standards:



Bård Vestre  
Manager

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

Client <b>Crevin,s.a.</b> Pol. Ind. Santa Margarita I C/ Llobregat, 21 08223 TERRASSA		Product <b>T-93468</b>	
Client`s reference Pep Margarit		Product description	
Date 12.04.2016		Revision nr./Revision date 0/	R-no. <b>R15686</b>
		Date of receipt, tested object 15.02.2016	Test completed date 07.04.2016

MANUFACTURER:	
COMPOSITION:	

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



Country: SPAIN  
Date: 10. 1. 2017  
Process: Light fastness - XENONLIGHT EUROPE (ISO 105-B02)  
Technology: -  
Material: 19 yarn samples

Light fastness ISO 105-B02			
Card Nr.	Sample	Light Exposure 96 hrs Rating blue scale	
1		Reference: 2	5
		Reference: 3	5-6
		Reference: 19	≥6
		Reference: 21	≥6
		Reference: 1128	5-6
		Reference: 2305	≥6
		Reference: 3020	>6
		Reference: 3648	5-6
2	References of PAN (MATRIX)	Reference: 4030	≥6
		Reference: 4103	5-6
		Reference: 5141	≥6
		Reference: 5324	>6
		Reference: 5325	≥6
		Reference: 5327	≥6
		Reference: 6013	≥6
		Reference: 6240	>6
3		Reference: 6344	≥6
		Reference: 6568	≥6
	Reference of WO	C/82919 SCHUSS-C, Gris lab.	≥6
Xenotest type:		Fade Ometer Ci 3000	
Filtration system:		CIRA / SODA LIME	