

## TEST REPORT NO: 135538

Date: 17 October 2017

**PIERRE FREY SAS**  
47 RUE DES PETITS CHAMPS  
75001 PARIS  
FRANCE

The following sample(s) was/were submitted and identified by/on behalf of the client as:

Retailer	Not Specified
Description of article	F3221 TIPI
Retailer style number	
Retailer Standard Number	(FABRIC ROLL)
Order No./ Buyer	1974072-2
Quality/Fibre Composition	80%WOOL 20%POLYAMIDE
Date Sample(s) Received:	06/10/2017

### Test

Schedule 4 Parts I Cigarette Test  
Schedule 5 Part I Match Test  
BS5852 Ignition Source 5  
BS EN 1021-2 Ignition Source 1  
Water Soak

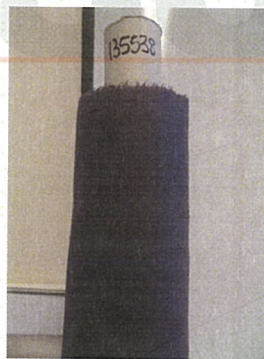
### Remarks

Tests as requested by the customer.

Signature

**Lucy Peberdy Technologist**

For and on behalf of  
SGS Leicester Limited



All samples are conditioned to ISO 139 where conditioning is required (unless otherwise stated)

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Customer: PIERRE FREY SAS Test Report No: 135538

## Test Results

### EN 1021-1-2:2014

#### Test Request

The sample supplied is a brown fabric and has been tested to EN 1021-1-2:2014, Smouldering Cigarette and Match Ignition, 0+1.

#### Fibre Identification

Reputed Fibre Composition: 80% Wool, 20% Polyamide

#### Pre-Treatment

The sample was cleansed using a water-soak procedure at  $40^{\circ}\text{C} \pm 1^{\circ}\text{C}$  as described in Annex D and line dried.

#### Conditioning

The sample has been tested after a period of 24 hours of conditioning in a relative humidity of  $(50 \pm 5)\%$  and a temperature of  $(23 \pm 2)^{\circ}\text{C}$ .

#### Comments on Test Results

The fabric sample supplied meets the requirements of EN 1021-1-2:2014 Smouldering Cigarette and Match test.

#### Results

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

#### Cigarette Test

Pass criteria:

When two samples are tested no progressive smouldering or flaming is to be observed within 1 hour of placement of the cigarette. If the cigarette fails to smoulder to its complete length, the test is repeated in a new position not less than 50mm from the previous damage. No progressive smouldering is to be present in the final examination.

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Customer: PIERRE FREY SAS Test Report No: 135538

**Test Results**

Cigarette Ignition			
Specimen Number	1	2	3
Smouldering time of the Cigarette	23 min 4 sec	23 min 18 sec	23 min 44 sec
Smouldering	NPS	NPS	NPS
Flaming	N	N	N
Smoking	N	N	N
After Glow	N	N	N
Cover Splitting	N	N	N
<b>Final Examination</b>	<b>P</b>	<b>P</b>	<b>P</b>

**Match Test**

Pass Criteria:

Disregard flaming or progressive smouldering which ceases within 120seconds of the removal of the burner tube. Disregard smoking and afterglow which ceases within 15minutes of the removal of the burner tube as per British Standards committee CCM/44.No progressive smouldering is to be present in the final examination.

Match Test						
Specimen Number	1	Time	2	Time	3	Time
Smouldering	N	-	N	-	N	-
Flaming	N	-	N	-	N	-
Smoking	Y	3 sec	Y	4 sec	Y	4 sec
Afterglow	N	-	N	-	N	-
Cover split	N		N		N	
<b>Final Examination</b>	<b>P</b>		<b>P</b>		<b>P</b>	

Please note that the fabric sample was tested over Combustion Modified Foam (CMHR) with a density of 35kg per M<sup>3</sup>.

**Key**

Y= Yes      N=No      N/A= Not Applicable  
 P=Pass      F=Fail      DNS= Did Not Smoulder  
 NPS = Non progressive smouldering  
 PS = Progressive smouldering within 1 hour

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Customer: **PIERRE FREY SAS** Test Report No: **135538**

**Test Results**

**BS 5852:2006: Clause 11: Ignition Source 5**

**Test Request**

The sample supplied is a brown fabric and has been tested to BS 5852:2006 Clause 11 using Ignition Source 5.

**Fibre Identification**

Reputed Fibre Composition 80% Wool 20% Polyamide

**Pre-Treatment**

The sample supplied was water soaked and dried in accordance to BS 5852:2006 Annex E

**Conditioning**

Before testing the sample was conditioned in an indoor ambient condition for 72 hours and in a standard atmosphere having a temperature of 23°C ± 2°C and a relative humidity of 50% r.h ± 5% for a minimum of 16hours.

**Comments on Test Results**

The sample supplied meets the requirements of BS 5852:2006 Clause 11, I/5.

**Results**

"The following test results relate only to the ignitability of combination of upholstery composites (BS 5852:2006 Clause 11) under the particular conditions of the test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use."

**Ignition Source 5**

Pass Criteria: ~ Disregard flaming which ceases within 10 minutes. Smoke, heat or glowing which ceases within 60 minutes of igniting the crib.

*No smouldering is to be present in the final examination.*

Specimen Number	1	Time	2	Time
Smoking	Y	8 min 21 sec	Y	8 min 41 sec
Smouldering	N	-	N	-
Flaming	Y	6 min 39 sec	Y	7 min 10 sec
Afterglow	N	-	N	-
Flame front reaches extremities within the test duration (other than the top of vertical part)	N	N/A	N	N/A
Cover Split	Y	N/A	Y	N/A
Final examination (ignition or Non-Ignition)	Non Ignition		Non Ignition	

Please note that the fabric sample was tested over combustion-modified foam with a density of 35kg per M³.

Key: Y = Yes N = No N/A = Not Applicable

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Customer: PIERRE FREY SAS Test Report No: 135538

### Test Results

#### Schedule 4 The Cigarette Test Part 1 and Schedule 5 The Match Test Part 1 in accordance with BS 5852: Part 1: 1979

#### Test Requested

The sample supplied is a brown fabric and has been tested to the flammability performance requirements of The Furniture and Furnishing (Fire) (Safety) Regulations 1988 S.I No 1324 as amended, Schedule 4 Part 1 The Cigarette Test and Schedule 5 Part 1 The Match Test, using BS 5852: Part 1: 1979.

#### Fibre Identification

Reputed Fibre Composition: 80% Wool, 20% Polyamide

#### Pre-Treatment

By request of the customer the sample was/ was not subjected to a water soak procedure as described in BS 5651:1978 Clause 4.5 and then line dried.

#### Conditioning

The sample was conditioned in an indoor ambient condition for at least 72 hours, then for at least 16 hours in an atmosphere having a temperature of  $20 \pm 5$  °C and a relative humidity of  $50 \pm 20\%$ .

#### Comments of Test Results

The sample supplied meets the flammability performance requirements of The Furniture and Furnishings (Fire) (Safety) Regulations 1988 S.I No 1324 as amended Schedule 4 Part 1 The Cigarette Test and Schedule 5 Part 1 The Match Test and therefore may be used in upholstered furniture, which carries the relevant permanent label.

#### Results

'The following tests 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'

#### The Cigarette Test

Pass Criteria:

Two cigarettes are placed along the junction between the horizontal and vertical test pieces in accordance with Clause 9.2.2. No progressive smouldering or flaming is to be observed within 1 hour of placement of the cigarette (Clause 9.2.4).

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Customer: **PIERRE FREY SAS** Test Report No: **135538**

**Test Results**

The Cigarette Test		
	Cigarette 1	Cigarette 2
Smouldering Time of the Cigarette	22 min 57 sec	23 min 28 sec
Clause 9.2.3 Evidence of Progressive Smouldering/ Flaming or Afterglow.	No	No
Cover Splitting	No	No
Clause 9.4 Any Internal Progressive Smouldering during the Final Examination	No	No
Test Result	Pass	Pass

**The Match Test**

Pass Criteria:

A butane flame is applied at the junction between the horizontal and vertical test pieces for a period  $20 \pm 1$  second in accordance with clause 9.3.2. No Flaming or Progressive Smouldering is to be observed after 2 minutes of the removal of the burner tube (Clause 9.3.4).

The Match Test		
	Match 1	Match 2
Clause 9.3.4 Evidence of Flaming/ Progressive Smouldering/ Afterglow or Smoking	No	No
Cover Splitting	No	No
Clause 9.4 Any Internal Progressive Smouldering during the Final Examination	No	No
Test Result	Pass	Pass

Smouldering Cigarette test and the match test were carried out over Non-Fire Retardant Polyurethane Foam Density of 20-22 Kg per m<sup>3</sup>/ The face of the fabric was tested.

End of Report

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