

## TEST REPORT NO: 136443

Date: 09 November 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	F3224 FOX
Retailer style number	FOX (GREY)
Retailer Standard Number	ROLL FABRIC
Order No./ Buyer	1977457
Quality/Fibre Composition	56%VI 20%PC 14%CO 8%PL 2%PA
Date Sample(s) Received:	31/10/2017

### Test

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

### Remarks

Tests as requested by the customer.

Signature



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:** 136443

## Test Results

### BS EN 1021 -1 & 2:2014

### Assessment of the ignitability of upholstered furniture

*Part 1 – Ignition source smouldering cigarette*

*Part 2 – Ignition source match flame equivalent*

**Description of Test Specimen – Grey Woven Fabric**

#### Test Requested –

The test specimen has been tested to BS EN 1021 – 1 & 2: 2014 Smouldering cigarette and match flame.

#### Preparation (Clause 7.1) –

The test specimen was not subject to a water soak as outlined in Annex D with a temperature of  $40 \pm 1$  °C.

#### Conditioning (Clause 7.2) –

All materials to be tested and the cigarettes have been conditioned for at least 24 hours immediately before the tests in an atmosphere  $23 \pm 2$  °C and  $50 \pm 5\%$  r.h.

#### Comments on Test Results –

The test specimen meets the requirements of BS EN 1021-1 & 2: 2014 The result for both tests has been stated as non-ignition.

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Customer: **PIERRE FREY SAS** Test Report No: **136443**

**Test Results**

**Test Results –**

**Ignition source Smouldering Cigarette**

Criteria of ignition	Cigarette 1	Cigarette 2
<b><i>Progressive smouldering ignition</i></b> Clause 3.1a – test assembly displays escalating combustion behaviour so that it is unsafe to continue.	No	No
Clause 3.1b – test assembly that smoulders until it is largely consumed	No	No
Clause 3.1c – test assembly that smoulders to the extremities within the test duration	No	No
Clause 3.1d – test assembly that smoulders after one hour from application of the ignition source	No	No
Clause 3.1e – test assembly on final examination shows evidence of progressive smouldering	No	No
<b><i>Flaming Ignition</i></b> Occurrence of flames initiated by a smouldering source	No	No
Ignition occurring	Non-Ignition	Non-Ignition

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Customer: **PIERRE FREY SAS** Test Report No: **136443**

**Test Results**  
**Ignition source Match Flame**

Criteria of ignition	Match Flame 1	Match Flame 2
<b><i>Progressive smouldering ignition</i></b> Clause 3.1a – test assembly displays escalating combustion behaviour so that it is unsafe to continue.	No	No
Clause 3.1b – test assembly that smoulders until it is largely consumed	No	No
Clause 3.1c – test assembly that smoulders to the extremities within the test duration	No	No
Clause 3.1d – test assembly that smoulders after one hour from application of the ignition source	No	No
Clause 3.1e – test assembly on final examination shows evidence of progressive smouldering	No	No
<b><i>Flaming Ignition</i></b> Clause 3.2a – Test assembly displays escalating combustion behaviour so that it is unsafe to continue	No	No
Clause 3.2b – Test assembly burns until it is essentially consumed	No	No
Clause 3.2c – Flame reaches the lower margin, either side or passed through the full thickness	No	No
Clause 3.2d – Flaming continues for more than 120 seconds after removal of burner tube	No	No
Ignition occurring	Non - Ignition	Non – Ignition

The test specimen was tested over Combustion modified foam (CMHR) with a density of 35kg/m<sup>3</sup>.

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

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Customer: **PIERRE FREY SAS** Test Report No: **136443**

### 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 woven 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: 56% Vi 20% Pc 14% Co 8% Pl 2% Pa

##### **Pre-Treatment**

The sample was not subjected to a water soak procedure as described in BS 5651:1978 Clause 4.5 as amended by Schedule 4 and Schedule 5 of The Furniture and Furnishings (Fire) (Safety) Regulations.

##### **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'

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**Customer:** PIERRE FREY SAS **Test Report No:** 136443

**Test Results**

**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).

The Cigarette Test		
	Cigarette 1	Cigarette 2
Smouldering Time of the Cigarette	25mins 26secs	25mins 49secs
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 ± 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.

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**Customer:** PIERRE FREY SAS **Test Report No:** 136443

**Test Results**

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

**Test Request**

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

**Fibre Identification**

Reputed Fibre Composition: 56% Vi 20% Pc 14% Co 8% Pl 2% Pa

**Pre-Treatment**

The sample supplied was not water soaked

**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 does not meet the requirements of BS 5852:2006 Clause 11, I/5 for the reason being the duration of flaming is greater than 10 minutes after the ignition of the crib and the flame front has reached the lower margin either side and passed through the full thickness of the test specimen within the test duration.

**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
Smoking	Y	>10mins
Smouldering	N/A	-
Flaming	Y	>10mins
Afterglow	N/A	-
Flame front reaches extremities within the test duration (other than the top of vertical part)	Y	N/A
Cover Split	Y	N/A
Final examination (ignition or Non-Ignition)	Ignition	

Please note that the fabric sample was tested over combustion-modified foam with a density of 35kg per M<sup>3</sup>.

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

**End of Report**

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