

TEST REPORT NO: 136442

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	F3265 KOALA
Retailer style number	KOALA (BLUE)
Retailer Standard Number	ROLL FABRIC
Order No./ Buyer	1977457
Quality/Fibre Composition	100% POLYPROPYLENE
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: **136442**

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 – Blue 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.

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 $23 \pm 2^{\circ}\text{C}$ 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: **136442**

Test Results

Test Results –

Ignition source Smouldering Cigarette

Criteria of ignition	Cigarette 1	Cigarette 2
<i>Progressive smouldering ignition</i> 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
<i>Flaming Ignition</i> 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: **136442**

Test Results

Ignition source Match Flame

Criteria of ignition	Match Flame 1	Match Flame 2
<i>Progressive smouldering ignition</i> 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
<i>Flaming Ignition</i> 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/m³. 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: **136442**

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 blue 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: 100% Polypropylene

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 ± 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 when tested as stated in the results.

The sample supplied does not meet the flammability performance requirements of The Furniture and Furnishings (Fire) (Safety) Regulations 1988 S.I No 1324 as amended, Schedule 5 Part 1 The Match Test, due to flaming being greater than 120 seconds after the removal of the ignition source.

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:** 136442

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	24 mins 41secs	25mins 13secs
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
Clause 9.3.4 Evidence of Flaming/ Progressive Smouldering/ Afterglow or Smoking	Yes (Flaming/Smoking)
Cover Splitting	Yes
Clause 9.4 Any Internal Progressive Smouldering during the Final Examination	N/A
Test Result	Fail

Smouldering Cigarette test and the match test were carried out over Non-Fire Retardant Polyurethane Foam Density of 20-22 Kg per m³. The face of the fabric was tested.

The test specimen was extinguished due to flaming being greater than 120 seconds.

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Customer: PIERRE FREY SAS **Test Report No:** 136442

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: 100% Polypropylene

Pre-Treatment

The sample supplied was 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 M³.

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

End of Report

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