

TEST REPORT NO:128021

Date:24 April 2017

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

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

Retailer	Not Specified
Description of article	Diamonds/ Stripes/ Big Bang/ Utopia
Retailer style number	F3213/F3217/F2989/F2983
Retailer Standard Number	Unknown
Order No./ Buyer	20170403-7
Quality/Fibre Composition	88% Co, 12% PI
Date Sample(s) Received:	07 April 2017

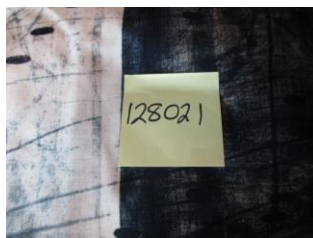
Test

Schedule 4 Parts I Cigarette Test Schedule 5 Part I Match Test
 BS EN 1021-1 Ignition Source 0 (Cigarette) Incl water soak
 BS EN 1021-2 Ignition Source 1 (match) Incl water soak
 BS5852 Ignition Source 5 (cribs)

Remarks

Tests as requested by the customer

Signature



For and on behalf of
 SGS Leicester Ltd.

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:** 128021

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 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, using BS 5852: Part 1: 1979.

Fibre Identification

Reputed Fibre Composition: 88% Cotton 12% PI

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 ± 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'

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:** 128021

The Cigarette Test		
	Cigarette 1	Cigarette 2
Smouldering Time of the Cigarette	22 min 41 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 ± 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/ Progressive Smouldering/ Afterglow/ 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.

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Customer: Pierre Frey SAS **Test Report No:** 128021

EN 1021-1-2:2014

Test Request

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

Fibre Identification

Reputed Fibre Composition: 88% Co 12% PI

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 1021-1:2014 Smouldering Cigarette.

The fabric sample supplied does not meet the requirements of EN 1021-2:2014 Match test due to the duration of flaming exceeded 120 seconds after the removal of the burner tube.

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.

Cigarette Ignition			
Specimen Number	1	2	3
Smouldering time of the Cigarette	22 min 29 sec	22 min 47 sec	22 min 59 sec
Smouldering	NPS	NPS	NPS
Flaming	N	N	N
Smoking	N	N	N
After Glow	N	N	N
Cover Splitting	N	N	N
Final Examination	P	P	P

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Customer: Pierre Frey SAS **Test Report No:** 128021

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
Smouldering	N	-
Flaming	Y	>120 sec
Smoking	Y	>120 sec
Afterglow	N	
Cover split	Y	
Final Examination	F	

Please note that the fabric sample was tested over Combustion Modified Foam (CMHR) with a density of 35kg per M³.

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:** 128021

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 88% Co 12% PI

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 $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and a relative humidity of $50\% \text{ r.h} \pm 5\%$ for a minimum of 16 hours.

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.

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	>10 mins
Smouldering	N/A	-
Flaming	Y	>10 mins
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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