

TEST REPORT NO:116224

Date:10 June 2016

**PIERRE FREY (UK) LTD**  
**107 DESIGN CENTRE EAST**  
**CHELSEA HARBOUR**  
**LONDON**  
**SW10 OXF**

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

Retailer	Not Specified
Description of article	Achille Fabric
Retailer style number	F3125 Grey
Retailer Standard Number	Unknown
Order No./ Buyer	PF16-116
Quality/Fibre Composition	40%Wool 24%Cotbio 14%Lin 8%Moh
Date Sample(s) Received:	06 June 2016

**Test**

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

**Remarks**

The sample tested fails to meet the required standard for BS5852 Ignition Source 5 (cribs).

From the full range of tests incorporated in this specification, we have carried out those requested by the customer.

(please note our uncertainty of measurement has not been taken into account when making the above remark)

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 (UK) Ltd      **Test Report No:** 116224

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

**Test Request**

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

**Fibre Identification**

Reputed Fibre Composition 40% Wool 24% Cotbio 14% Lin 8% Mohair 8% Alpaga 6% Pa

**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 20°C ± 5°C and a relative humidity of 50% r.h ± 20% 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.

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 M<sup>3</sup>.

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

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**Customer:** Pierre Frey (UK) Ltd      **Test Report No:** 116224

**EN 1021-1-2:2014**

**Test Request**

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

**Fibre Identification**

Reputed Fibre Composition: 40% Wool 24% Cotbio 14% Lin 8% Mohair 8% Alpaga 6% Pa

**Pre-Treatment**

The sample was cleansed using a water-soak procedure at 40°C ± 1°C as described in Annex D and line dried.

**Conditioning**

The sample has been tested after a 24 hour conditioning in an atmosphere of a relative humidity 50±5% and a temp of 23±2°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.

<u>Cigarette Ignition</u>			
Specimen Number	1	2	3
Smouldering time of the Cigarette	23 mins 56 sec	24 mins 16 secs	24 min 24 secs
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>

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**Customer:** Pierre Frey (UK) Ltd      **Test Report No:** 116224

**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	2 secs	Y	3 secs	Y	2 secs
Afterglow	N		N		N	
Cover split	N		N		N	
<b>Final Examination</b>	P		P		P	

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 (UK) Ltd **Test Report No:** 116224

## **Smouldering Cigarette and Match Ignition: BS 5852: Part 1 1979**

### **Test Request**

The sample supplied is a woven upholstery 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 smouldering cigarette and schedule 5 part 1 Match ignition, using BS 5852:1979.

### **Fibre Identification**

Reputed Fibre Composition: 40% Wool 24% Cotbio 14% Lin 8% Mohair 8% Alpaga 6% Pa

### **Pre-Treatment**

The sample was subjected to a water soak procedure as described in BS5651: 1978 Clause 4.5 (as amended by the Furniture and Furnishing Regulations) and then line dried.

### **Conditioning**

The sample was conditioned in a indoor ambient conditions for 72 hours and then in a standard atmosphere having a temperature of 20°C ± 5°C and a relative humidity of 50% r.h. ± 20% for a minimum of 16 hours.

### **Comments on Test Results**

The fabric sample supplied meets the flammability performance requirements of The Furniture and Furnishings (Fire) (Safety) Regulations 1988 S.I. No 1324 as amended, Schedule 4 Part1 smouldering cigarette and schedule 5 part 1 Match ignition, and may therefore be used in upholstered furniture, which carries the relevant permanent label.

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**Customer:** Pierre Frey (UK) Ltd      **Test Report No:** 116224

**Results**

*'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 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
Smouldering time of the Cigarette	23 min 50 secs	24 min 1 secs
Smouldering	NPS	NPS
Flaming	N	N
Smoking	N	N
After Glow	N	N
Cover Splitting	N	N
Final Examination	P	P

**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
Smouldering	N	-	N	-
Flaming	N	-	N	-
Smoking	Y	6 secs	Y	8 secs
Afterglow	N	-	N	-
Cover split	N	N/A	N	N/A
Final Examination	P		P	

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

**Key**

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

\*End of Report\*

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