

Lining Flame Retardant Certificates and Information

Direct fabrics offers a range of flame retardant linings in the pack below are the certificates and care instructions for the linings in our range.

Washing instructions of face fabrics and linings are a stitched product so the lower washing value must be taken for the finished product.

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Unlined Products

Please refer to the face fabric certificate. Product will not have a lining.

Polyester FR Lining

6944 – Cream / Ivory / White

Blackout 3 pass FR

Drapewell 6943 Ivory

Product Code and Width:	6943, 137cm / 54 inches 6948, 280cm / 110 inches
Weight:	280gsm / 8.3 oz sqy
Colour:	3 Colours
Composition:	Polycotton
Available As:	Cut, FWOT
End Usage:	Curtains
Average Roll Size:	50m / 54.7yds
FR Standards:	BS 5867 Part 2 B, NFPA 701 1+2

Care Instructions: 30°C wash, do not bleach, do not tumble dry & cool iron 110°C on non-coated side only. Dry clean P sensitive

Outblack Silk FR

Product Code and Width: 6957, 142cm / 56 inches | 6958, 284cm / 112 inches
Weight: 285gsm / 8.4 oz sqy
Colour: 6 Colours
Composition: 100% Polyester
Available As: Cut, FWOT
End Usage: Curtains

FR Standards: B1, BS 5867 Part 2 B, IMO FTP Code 2010 part 7, EN 13773, NFPA 701 1+2

Dimensional Stability to Washing: +/- 3%

Dimensional Stability to Dry Cleaning: +/- 3%

Care Instructions: 30°C wash, do not bleach, do not tumble dry cool iron 110°C on non-coated side only. Do not dry clean

Eclipse Duo Lining or Olympia Fleece Duo Lining

Depending on stock we either use a 380gms or 400gms fleece duo lining. Both Certificates are attached below.

Eclipse

Product Code and Width: 6447, 137cm / 54 inches

Weight:	380gsm / 11.2 oz sqy
Colour:	1 Colours
Composition:	70% Polyester / 30% Cotton / Polyester Fleece
Available As:	FWOT
End Usage:	Curtains
Average Roll Size:	25m / 27.3 yds
FR Standards:	BS 5867 Part 2 B
Dimensional Stability to Dry Cleaning:	+/- 3%
Care Instructions:	Dry clean P sensitive
Additional Care Instructions:	Allow for shrinkage when attaching to other fabric qualities. Take care when ironing as some shrinkage may occur if excessive or prolonged temperature is applied.

Olympia FR Fleece

Product Code and Width:	6421, 137cm / 54 inches
Weight:	400gsm / 11.8 oz sqy
Colour:	2 Colours
Composition:	52% Polyester / 48% Cotton / Polyester Fleece
Available As:	FWOT
End Usage:	Curtains
Average Roll Size:	25m / 27.3 yds
FR Standards:	BS5867 Part 2 B
Dimensional Stability to Dry Cleaning:	+/- 3%
Care Instructions:	Dry clean P sensitive

[Other Linings for Custom Work](#)







We offer lots more linings and if you have a custom request. Please ask for a copy of your certificate when ordering.

Polyester Plain FR

Inherently Flame Retardant Polyester Lining

Quality No: 6944



Product Code and Width:	6944, 284cm
Weight:	145gsm +/- 5%
Colour:	White & Cream
Composition:	100% Polyester
Make Up:	Full width on tube
Ave Piece Length:	100m
FR Standards:	BS 5867 part 2 B & C, BS 5815 part 3 G
Dimensional Stability to Washing:	+/- 3%
Dimensional Stability to Dry Cleaning:	+/- 3%
Care Instructions:	    
Product Usage:	

Client:

Entry No: 66126-01
Date received: 17/07/2014
Client's Description: Sample of fabric : 6944 Cream

TEST REPORT

Test Required: Flammability BS 5867-2 : Type C
Pre-treatment: Tests were made both before and after 50 Washes in accordance with BS EN ISO 15028:1997 standard wash procedure (Type A) at 75 Degrees C followed by line and press drying (subcontracted to a UKAS accredited laboratory).
Conditioning: A minimum of 24 hours at 65 +/- 5% Relative Humidity, 20 +/- 2°C
Method of Test: BS EN ISO 15025 : 2002 Procedure A (surface ignition)
Date of Test: 28/07/2014 & 27/08/2014

The results may not apply to situations where there is restricted air supply or prolonged exposure to large sources of intense heat as in a conflagration.

Flame application times 5, 15, 20 and 30 seconds using propane gas**As Received**

No part of any hole or the lowest boundary of any flame reached the upper edge or either vertical edge on any specimen. There was no separation of flaming debris from any specimen.

After Washing

No part of any hole or the lowest boundary of any flame reached the upper edge or either vertical edge on any specimen. There was no separation of flaming debris from any specimen.

Comments

On the basis of the tests carried out this sample of fabric meets the Type C requirements of BS 5867-2 : 2008.

This is hereby certified to be a correct return of the tests made of the items referred to herein.



Geoff Briggs C.Text., A.T.I.
Head of laboratory
1st September 2014



- ❖ Unless instructed otherwise by the client sample remnants will be disposed of after 28 days
- ❖ Test marked (*) in this certificate are not included in the UKAS Accreditation Schedule for this Laboratory.
- ❖ Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
- ❖ This Certificate relates only to the sample received and, unless that sample has been drawn by the staff of this laboratory, or its agent, and endorsed accordingly, any application of the result to a bulk quantity or other material is entirely the responsibility of the client.



Outblack Silk FR

3 Pass Blackout Curtain Lining

Quality No: 6957, 6958



Product Code and Width:	6957, 142cm
Product Code and Width:	6958, 284cm
Weight:	285gsm +/- 5%
Colour:	White, Ivory & Cream
Composition:	100% Polyester / Acrylic back coating
Make Up:	Full width on tube
Ave Piece Length:	6957 50m, 6958 35m
FR Standards:	B1, BS5867 Part 2B, IMO FTP Code 2010 Part 7, EN13773, NFPA 701 1+2
Dimensional Stability to Washing:	+/- 3%
Dimensional Stability to Dry Cleaning:	+/- 3%

Care Instructions:

     iron on non-coated side only

When storing, pressure marks may occur. Too much weight on the pallet holding the fabric or over hang when the fabric is on the roll may cause indentations or bruising.

Product Usage:



FLAMMABILITY TEST REPORT

Report No.: LEHTX00902184 Date Received: 05/08/16 Date Tested: 09/08/16 Date Issued: 09/08/16

Company Name & Address:

Contact Name:

Sample Details

Reference No.: Not stated
 Order No.: P17030
 Style No.: 6957/White
 Batch No.: Not stated
 Quality: 6957 Outblack FR
 Colour: White
 Supplier: Not stated
 Intended Use: Drapery
 Quoted Fibre Composition: 100% Polyester
 Retailer: Not stated
 Buying Division: Not stated
 Sample Description: White coloured woven fabric

Test Method	Pre Treatment	Flammability Performance Requirement	Result
BS 5867: Part 2: 2008	12 Cycles of BS EN ISO 10528 (Reduced Washing Procedure) @ 40°C and then line dried.	Type B	PASS
<p>Note: In accordance with clause 7 of BS 5867: Part 2: 2008 a fabric for which compliance with the requirements of this standard is claimed shall be supplied with the following information, the manufacturer's name, trademark or other identifying mark, the statement 'Flammability complies with the requirements of BS 5867: Part 2 Type B' and instructions on any special precautions to be taken concerning care (including cleansing) of the product, preferably using an appropriate care labelling symbol in accordance with BS EN ISO 3758 and taking account of the durability procedure used in this test.</p>			



.....
STEVEN OWEN
 (Chemical Technologist)

.....
ANDREW HALLETT
 (Flammability Team Leader)

.....
CAROLE SPOWART
 (Flammability Technician)

.....
SIMON CHEE
 (Operations Manager)

FLAMMABILITY TEST REPORT

Test Specification

Test Method: BS 5867: Part 2: 2008 Type B using BS EN ISO 15025:2002
(With the modifications from clause 6.3.2 of BS 5867: Part 2: 2008).

Ignition Source: 25mm horizontal reach Butane gas flame
Ignition Type: Surface
Flame Application Time: 15±1 seconds
Sample Size: 200 x 160mm
Side Tested: Face

Pre-treatment / Durability Procedure

12 Cycles of BS EN ISO 10528 (Reduced Washing Procedure) @ 40°C and then line dried.

Conditioning

Prior to Testing: At least 24 hours in an atmosphere having a temperature of 20±2°C. and a relative humidity of 60±5%

At Time of Testing: Temperature between 15°C & 30°C. Relative humidity between 20% & 65%

Test Results

Report of tests carried out in accordance with BS EN ISO 15025:2002. The results may not apply to situations where there is restricted air supply or prolonged exposure to large sources of intense heat as in a conflagration.

Test before pre-treatment

Sample No./ Direction	Duration of flaming (Secs)	Duration of afterglow (Secs)	Flaming debris	Flame to edge	Hole to edge	Maximum damaged length (mm)	
						Horizontal	Vertical
1. Length ↑	0.0	16.5	No	No	No	23	147
2. Length ↓	0.0	12.8	No	No	No	21	113
3. Length ↑	0.0	37.7	No	No	No	21	122
4. Width →	0.0	21.2	No	No	No	22	124
5. Width ←	0.0	27.2	No	No	No	22	123
6. Width →	0.0	14.9	No	No	No	20	118

Test after pre-treatment

Sample No./ Direction	Duration of flaming (Secs)	Duration of afterglow (Secs)	Flaming debris	Flame to edge	Hole to edge	Maximum damaged length (mm)	
						Horizontal	Vertical
1. Length ↑	0.0	5.5	No	No	No	18	98
2. Length ↓	0.0	11.7	No	No	No	20	122
3. Length ↑	0.0	8.3	No	No	No	19	101
4. Width →	0.0	6.1	No	No	No	17	102
5. Width ←	0.0	11.9	No	No	No	22	138
6. Width →	0.0	7.2	No	No	No	18	104

Conclusions

When tested before and after the durability procedure detailed above the sample meets the flammability performance requirements of BS 5867: Part 2: 2008 Type B. **PASS.**

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Drapewell

3 Pass Blackout Curtain Lining

Quality: 6943, 6948



Product Code and Width:	6943, 137cm
Product Code and Width:	6948, 280cm
Weight:	280gsm +/-8%
Colour:	White, Ivory & Cream
Composition:	70% Polyester 30% Cotton / Acrylic back coating
Make Up:	Full width on tube
Ave Piece Length:	50m
FR Standards:	B1, BS5867 Part 2B
Dimensional Stability to Washing:	+/-3%
Dimensional Stability to Dry Cleaning:	+/-3%

Care Instructions:

     Iron on non-coated side only

Product Usage:



FLAMMABILITY TEST REPORT

Report No.: LEHTX00903772

Date Received: 15/08/16

Date Tested: 18/08/16

Date Issued: 18/08/16

Company Name & Address:

Contact Name:


Sample Details

Reference No.: Not stated
Order No.: P17062
Style No.: Drapwell
Batch No.: Hexin Trial
Quality: Drapewell FR
Colour: Cream
Supplier: Not stated
Intended Use: Drapery
Quoted Fibre Composition: 70% Polyester, 30% Cotton
Retailer: Not stated
Buying Division: Not stated
Sample Description: Cream coloured woven fabric

Test Method	Pre Treatment	Flammability Performance Requirement	Result
BS 5867: Part 2: 2008	12 Cycles of BS EN ISO 10528 (Reduced Washing Procedure) @ 40°C and then line dried.	Type B	PASS

Note: In accordance with clause 7 of BS 5867: Part 2: 2008 a fabric for which compliance with the requirements of this standard is claimed shall be supplied with the following information, the manufacturer's name, trademark or other identifying mark, the statement 'Flammability complies with the requirements of BS 5867: Part 2 Type B' and instructions on any special precautions to be taken concerning care (including cleansing) of the product, preferably using an appropriate care labelling symbol in accordance with BS EN ISO 3758 and taking account of the durability procedure used in this test.

.....
STEVEN OWEN
(Chemical Technologist)


.....
ANDREW HALLETT
(Flammability Team Leader)

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CAROLE SPOWART
(Flammability Technician)

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SIMON CHEE
(Operations Manager)

Report No.: LEHTX00903772 Page 1 of 2

FLAMMABILITY TEST REPORT

Test Specification

Test Method: BS 5867: Part 2: 2008 Type B using BS EN ISO 15025:2002
(With the modifications from clause 6.3.2 of BS 5867: Part 2: 2008).

Ignition Source: 25mm horizontal reach Butane gas flame
Ignition Type: Surface
Flame Application Time: 15±1 seconds
Sample Size: 200 x 160mm
Side Tested: Face

Pre-treatment / Durability Procedure

12 Cycles of BS EN ISO 10528 (Reduced Washing Procedure) @ 40°C and then line dried.

Conditioning

Prior to Testing: At least 24 hours in an atmosphere having a temperature of 20±2°C. and a relative humidity of 60±5%
At Time of Testing: Temperature between 15°C & 30°C. Relative humidity between 20% & 65%

Test Results

Report of tests carried out in accordance with BS EN ISO 15025:2002. The results may not apply to situations where there is restricted air supply or prolonged exposure to large sources of intense heat as in a conflagration.

Test before pre-treatment

Sample No./ Direction	Duration of flaming (Secs)	Duration of afterglow (Secs)	Flaming debris	Flame to edge	Hole to edge	Maximum damaged length (mm)	
						Horizontal	Vertical
1. Length ↑	0.0	26.7	No	No	No	17	103
2. Length ↓	0.0	20.3	No	No	No	17	95
3. Length ↑	0.0	40.1	No	No	No	18	116
4. Width →	0.0	23.4	No	No	No	17	91
5. Width ←	0.0	36.8	No	No	No	20	103
6. Width →	0.0	28.2	No	No	No	18	95

Test after pre-treatment

Sample No./ Direction	Duration of flaming (Secs)	Duration of afterglow (Secs)	Flaming debris	Flame to edge	Hole to edge	Maximum damaged length (mm)	
						Horizontal	Vertical
1. Length ↑	0.0	15.3	No	No	No	21	116
2. Length ↓	0.0	24.1	No	No	No	19	104
3. Length ↑	0.0	22.4	No	No	No	18	87
4. Width →	0.0	19.7	No	No	No	18	105
5. Width ←	0.0	27.4	No	No	No	18	96
6. Width →	0.0	22.9	No	No	No	20	98

Conclusions

When tested before and after the durability procedure detailed above the sample meets the flammability performance requirements of BS 5867: Part 2: 2008 Type B. **PASS.**

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TEST REPORT

Client:

Entry No: 95362
Date received: 28/02/2018
Client's Description: Sample of fabric: Design Name: 6425/Duoline FR Olympia. Product Type: Olympia Blackout with FR Fleece
Test Required: Flammability BS 5867-2: Type B: 2008
Pre-treatment: Tested both before and after one water soak in accordance with BS EN 1021-1: 2006, Annex D and 6 dry cleaning cycles in accordance with BS 5651: 1989
Note: The dry-cleaning was subcontracted to a UKAS accredited laboratory
Conditioning: A minimum of 24 hours at 65+/-5% Relative Humidity, 20+/-2°C
Date Tests Completed: 03/04/2018
Method of Test: BS EN ISO 15025: 2002 Procedure A (surface ignition)

The results may not apply to situations where there is restricted air supply or prolonged exposure to large sources of intense heat as in a conflagration.

Flame application time 15 seconds using propane gas

As Received

Face of Fabric tested	Fabric length direction			Fabric width direction		
	1↑	2↓	3↑	4→	5←	6→
Specimen number						
Flame reached an edge (✓ or X)	X	X	X	X	X	X
Hole reached an edge (✓ or X)	X	X	X	X	X	X
Flaming debris (✓ or X)	X	X	X	X	X	X

-----End of Page-----

This is hereby certified to be a correct return of the tests made of the items referred to herein



Giles Dive
 Technician
 04 April 2018

- ❖ Unless instructed otherwise by the client sample remnants will be disposed of after 28 days.
 - ❖ Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
 - ❖ Uncertainty budgets for test methods contained within this report are available on request.
- This Certificate relates only to the sample received and, unless that sample has been drawn by the staff of this laboratory, or its agent, and endorsed accordingly, any application of the result to a bulk quantity or other material is entirely the responsibility of the client.





Client:

Entry No: 95362

After Dry Cleaning

Face of Fabric tested	Fabric length direction			Fabric width direction		
	1↑	2↓	3↑	4→	5←	6→
Specimen number						
Flame reached an edge (✓ or X)	X	X	X	X	X	X
Hole reached an edge (✓ or X)	X	X	X	X	X	X
Flaming debris (✓ or X)	X	X	X	X	X	X

Comments

On the basis of the tests carried out this sample of fabric meets the Type B requirements of BS 5867-2: 2008.

-----End of Document-----

FLAMMABILITY TEST REPORT

Report No.: LEI18055483A Date Received: 29/05/18 Dates Tested: 04/06/18 & 05/06/18 Date Issued: 05/06/18

Company Name & Address:

Contact Name:

Sample Details

Order No.: Not stated
 Description: Duoline with fleece
 Ref. / Style No.: 6447/Duoline
 Colour: Not stated
 Quality: Not stated
 Supplier: Not stated
 Batch No.: Not stated
 End Use: Curtain
 Retailer: Not stated
 Specification No.: Not stated
 Sample Description: White coloured woven fabric with white coloured backing

Test Method	Pre Treatment	Flammability Performance Requirement	Result
BS 5867: Part 2: 2008	Water soaked as Annex D of BS EN 1021-1: 2014 and then 6 Dry Clean cycles as BS 5651: 1989	Type B	PASS
<p>Note: In accordance with clause 7 of BS 5867: Part 2: 2008 a fabric for which compliance with the requirements of this standard is claimed shall be supplied with the following information, the manufacturer's name, trademark or other identifying mark, the statement 'Flammability complies with the requirements of BS 5867: Part 2 Type B' and instructions on any special precautions to be taken concerning care (including cleansing) of the product, preferably using an appropriate care labelling symbol in accordance with BS EN ISO 3758 and taking account of the durability procedure used in this test.</p>			



.....
STEVEN OWEN
 (Technical & Operational Excellence Manager)

.....
ANDREW HALLETT
 (Flammability Team Leader)

.....
CAROLE SPOWART
 (Flammability Technician)

.....
GREGORY JAMES
 (Flammability Technician)

FLAMMABILITY TEST REPORT

Test Specification

Test Method:	BS 5867: Part 2: 2008 Type B using BS EN ISO 15025:2002 (With the modifications from clause 6.3.2 of BS 5867: Part 2: 2008).
Ignition Source:	25mm horizontal reach Butane gas flame
Ignition Type:	Surface
Flame Application Time:	15±1 seconds
Sample Size:	200 x 160mm
Side Tested:	Face

Pre-treatment / Durability Procedure

Water soaked as Annex D of BS EN 1021-1: 2014 and then 6 Dry Clean cycles as BS 5651: 1989

Conditioning

Prior to Testing: At least 24 hours in an atmosphere having a temperature of 20±2°C. and a relative humidity of 60±5%

At Time of Testing: Temperature between 15°C & 30°C. Relative humidity between 20% & 65%

Test Results

Report of tests carried out in accordance with BS EN ISO 15025:2002. The results may not apply to situations where there is restricted air supply or prolonged exposure to large sources of intense heat as in a conflagration.

Test before pre-treatment

Sample No./ Direction	Duration of flaming (Secs)	Duration of afterglow (Secs)	Flaming debris	Flame to edge	Hole to edge	Maximum damaged length (mm)	
						Horizontal	Vertical
1. Length ↑	0.0	11.5	No	No	No	17	55
2. Length ↓	9.7	15.7	No	No	No	20	65
3. Length ↑	2.2	18.6	No	No	No	18	58
4. Width →	7.2	25.0	No	No	No	23	59
5. Width ←	4.4	11.9	No	No	No	19	57
6. Width →	0.0	7.1	No	No	No	18	53

Test after pre-treatment

Sample No./ Direction	Duration of flaming (Secs)	Duration of afterglow (Secs)	Flaming debris	Flame to edge	Hole to edge	Maximum damaged length (mm)	
						Horizontal	Vertical
1. Length ↑	0.0	0.0	No	No	No	21	70
2. Length ↓	0.0	0.0	No	No	No	22	74
3. Length ↑	0.0	0.0	No	No	No	22	75
4. Width →	0.0	0.0	No	No	No	18	66
5. Width ←	0.0	0.0	No	No	No	20	57
6. Width →	0.0	0.0	No	No	No	20	72

Conclusions

When tested before and after the durability procedure detailed above the sample meets the flammability performance requirements of BS 5867: Part 2: 2008 Type B. **PASS.**

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