

# Poly Silk

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**J&C Joel** 

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# Contents

## Composition & Care

300 cm	3
<b>Fire Certificate</b>	
BS5867 Part 2 Type B	4
EN13501-1	8

## TECHNICAL

-  **NDFR**  
**Non Durably Flame Retardant**  
chemically treated with a water solution and if wetted in any way should be retreated
-  **DFR**  
**Durably Flame Retardant**  
chemically treated to withstand a number of cleanings
-  **IFR**  
**Inherently Flame Retardant**  
woven from fibres with a high flame retardancy
-  **FR**  
**Flame Retardant**  
chemically treated to an individual specification
-  **NOT FR**  
**Not Flame Retardant** no flame retardant treatment

 Confirmation that the fabric meets one or more flame retardant standards

**BS5867** BS5867 Pt2 B is the British Standard for flame retardant fabrics used for curtains and drapes

**BS5852** BS5852 Pt1 is the British Standard for flammability of upholstered composites for seating

**BS4790** BS4790: 1987 Determination of the effects of a small source of ignition on textile floor coverings hot metal nut method (method 1, loose laid)





**EN13773: 2003** Meets European fire safety standards for vertically hung fabrics. Burning behavior, ignitability testing of curtain fabric for use in the contract market.

**TL 1080-0002/8** German Military Specification for horizontally tested materials

**EN14041** Details the requirement for CE Marking of textiles, laminate and resilient floor coverings

**BS7905-1:2001** Lifting equipment for performance, broadcast and similar applications.

## ATTRIBUTES

-  Approx roll length of material in linear metres (m) & feet (ft)
-  Approx width of material in centimetres (cm) & inches (")
-  Approx weight in grams per metre squared (g/m<sup>2</sup>)
-  Approx thickness in (mm)

**M1, M2, M4** Conforms to French Fire Regulations

**B1, B2** Conforms to German Fire Regulations DIN 4102

**IMO** Conforms to International Maritime Organisation regulations

**Classe Uno** Meets Italian Fire Regulations

**BS EN13501-1** Fire Classification of construction, products and building elements. Classification using test data from reaction to fire tests






**CFC EN ISO 9239-1** Reaction to fire test. Horizontal surface spread of flame on floor covering system. Determination of the burning behaviour using a retardant heat source


**NFPA 701** NFPA 701: (USA) Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

**EN9239-1** Reaction to fire tests – horizontal surface spread of flame on floor covering systems


**DIN EN1021** Meets European fire safety standards for exposure to different ignition sources, namely a lit cigarette and butane flame. Assessment of the ignitability of upholstered furniture

To ensure you get the best from the product supplied to you, we advise you follow the care instructions within this datasheet.

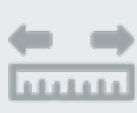
Fabric	<b>Flame Retardancy</b>	IFR
	<b>Fire Certification</b>	BS5867, M1, B1, EN13773, EN13501-1
	<b>Brand Name (and Manufacturer)</b>	J&C Joel Ltd.
	<b>Material (Blending Ratio)</b>	100% Polyester
	<b>Construction of Fabric</b>	Plain Weave
Chemicals	<b>Surface Treatments</b>	None
	<b>Brand Name of Flame Retardant Chemicals</b>	N/A
	<b>Chemical name of Flame Retardant Chemicals</b>	N/A
	<b>Process of Flame Retardant Chemicals</b>	N/A
Care	<b>Information</b>	<p>Inherently Flame Retardant to BS5867 Part 2 Type B, M1, B1 EN13773, and EN13501-1. This means that the man-made fibres are flame retardant for life and if wet, would not need to be re-flameproofed. Therefore, the cloth will withstand wet cleaning but we would advise and suggest professional dry cleaning only, using the correct chemical process.</p> <p>Notwithstanding the aforementioned, it would be our advice to only dry clean this material periodically. We would suggest that the curtain be soft-brushed on a regular basis and periodically cleaned using a vacuum and drapery attachment.</p> <p>This fabric is not pre-shrunk.</p>
	<b>Laundering Treatment</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> Dry Clean Only</div> <div style="text-align: center;"> Do Not Wash</div> <div style="text-align: center;"> Do Not Bleach</div> <div style="text-align: center;"> Do Not Iron</div> <div style="text-align: center;"> Do Not Tumble Dry</div> </div>
<b>Notes</b>		




Fire Rating:  
IFR




Approx Roll Length:  
60m / 197ft




Width:  
300cm / 118"



Weight:  
80 g/m<sup>2</sup>



Fire Certification:  
BS5867, M1, B1,  
EN13773, EN13501-1



Colours  
Available

For further information please contact our sales team [sales@jcjoel.com](mailto:sales@jcjoel.com)

# Fire Test Certificate – Specimen

**Fabric:** Poly Silk  
**Type:** BS5867 Part 2 Type B

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Leeds, LS16 6QL, UK.  
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Email: [info@bttg.co.uk](mailto:info@bttg.co.uk)  
Website: [www.bttg.co.uk](http://www.bttg.co.uk)

Date: 15 August 2017  
Our Ref: 53651-45  
Your Ref: -  
Page: 1 of 4

Client: J. & C. Joel Limited  
Corporation Mill  
Corporation Street  
Sowerby Bridge  
Halifax  
HX6 2QQ

Job Title: Surface Ignition Of Curtains & Drapes

Client's Order No: -

Date of Receipt: 16 June 2017  
Date of Test Start: 29 June 2017

Description of Sample(s): One sample identified as follows was received for testing:  
Poly Silk, stated to be IFR

Work Requested: We were asked to make the following test:  
BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds



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# Fire Test Certificate – Specimen

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Sample was identified as follows:

Poly Silk, stated to be IFR

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Email: [info@bttg.co.uk](mailto:info@bttg.co.uk)  
Website: [www.bttg.co.uk](http://www.bttg.co.uk)

Date: 15 August 2017

Our Ref: 53651-45  
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Page: 2 of 4

BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds  
Testing as received.

Three specimens from both length and width were tested in accordance with BS EN ISO 15025: Procedure A (surface ignition): 2002. The sample was tested at 20 °C and 60 % relative humidity (R.H.).

Each specimen was subjected to an applied flame using propane and a 15 second flame application time. The results obtained (shown in the table below) were assessed according to the requirements of BS 5867: Part 2: 2008 (2015).

Pre-treatment

If the fabric is a pass in the 'as received' condition then the fabric is subjected a water soak procedure as specified in BS EN 1021: Annex D: 2006.

Testing after pre-treatment

Three specimens, after pre-treatment, from both length and width were tested following the procedure described above.

Test results relate only to the sample tested.

The results for all tests are given in the table(s) on the following page(s).

Reported by:   
J Coleman  
Fire Technician

Countersigned By:   
P Doherty  
Operational Head

Enquiries concerning this report should be addressed to Customer Services.



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# Fire Test Certificate – Specimen

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RESULTS

Sample Ref: Poly Silk, stated to be IFR

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Date: 15 August 2017

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BS 5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds

Testing as Received

Specimen No.	Length			Width		
	1	2	3	4	5	6
Flame reached an edge	No	No	No	No	No	No
Hole reached an edge	No	No	No	No	No	No
Flaming debris separated	No	No	No	No	No	No

Requirements

Any "Yes" means fail except if only one specimen fails a further 6 specimens are tested, if the second 6 specimens all pass the result is a pass.

Result in 'as received': Pass

Testing after pre-treatment

Specimen No.	Length			Width		
	1	2	3	4	5	6
Flame reached an edge	No	No	No	No	No	No
Hole reached an edge	No	No	No	No	No	No
Flaming debris separated	No	No	No	No	No	No

Requirements

Any "Yes" means fail except if only one specimen fails a further 6 specimens are tested, if the second 6 specimens all pass the result is a pass.

Result in 'after pre-treatment': Pass



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# Fire Test Certificate – Specimen

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**Type:** BS5867 Part 2 Type B

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### Conclusion

The fabric meets the Type B performance requirements of BS 5867: Part 2: 2008 (2015).

This material should be identified with the manufacturers name, trademark or other identifying mark, the statement 'Flammability complies with the requirements of BS 5867: Part 2: Type B and instructions of any special precautions to be taken concerning care (including cleansing) of the curtain, drape or window blind to be manufactured from the fabric, preferably using an appropriate care labelling symbol in accordance with BS EN 23758 and taking account of the pre-treatment using in this test and the requirements of Clause 4 of BS 5867: Part 2: 2008 (2015). If the fabric is unsuitable for cleansing, this shall be stated.

### Uncertainty Budget

There is no uncertainty budget associated with BS 5867: Part 2: Type B as no measurements are determined, the pass/fail criteria is assessed visually.

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# Fire Test Certificate – Specimen

**Fabric:** Poly Silk  
**Type:** EN13501-1

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## Classification report No. 2012-2250-K1 issued 14.11.2012

**SPECIMEN**

**Order:** Classification of the burning behaviour according to  
DIN EN 13501-1 (2010-01)

**Date of order** 25.10.2012

### Notification number of the test laboratory

NB 1378

### Designation of the classified building product

PES FR Taft and PES FR Nessel 4 x 16  
in different colours This classification report lays down the classification of the building product above  
according to the procedures of DIN EN 13501-1.

The classification report are only allowed to be published or reproduced, not changed in form and tenor without permission of the Exova  
Warringtonfire, Frankfurt.

The abridged account of a classification report is only allowed with the agreement of the Exova Warringtonfire, Frankfurt.  
This classification report is a translation of the German version 2012-2246 K1-1 (issued 14.11.2012). In case of doubt only the German  
version is valid.

This classification report contains 4 pages.

Registered Office: Exova GmbH, Industriepark Höchst, C369, Frankfurt, D-65926, Registered Company No. HRB 83049  
Ust-Id Nr. DE259957713

16.11.2012



# Fire Test Certificate – Specimen

**Fabric:** Poly Silk  
**Type:** EN13501-1

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Classification report No. 2012-2250-K1 issued 14.11.2012

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## 1. Description of the material

### 1.1 Details of the customer:

PES FR Taft and PES FR Nessel 4 x 16  
in different colours

Product name:	PES FR Taft	PES FR Nessel 4 x 16
Article:	275 – Polyester Taft PES FR	832 – stage nessel PES FR
Kind of manufacturing:	woven, coloured	woven, coloured
Flame retardant: agent	polyester flame retardant	polyester flame retardant
Kind of flame retardant agent:	flame retardant yarn	flame retardant yarn
Colours	white, black, green	white, black, green
Square weight:	60 g/qm	300 g/qm
Application:	decorative fabrics	decorative fabrics
Kind of product:	fabrics	fabrics

### 1.2 At the specimen preparation from the Exova Warringtonfire determined values:

Fabric samples

Kind of material:	Colour:	Thickness: [mm]	Square weight: [g/m <sup>2</sup> ]
PES FR Taft	white	0,1	69
PES FR Taft	green	0,1	69
PES FR Taft	black	0,1	67
PES FR Nessel 4 x 16	white	0,15 mm	307
PES FR Nessel 4 x 16	green	0,15 mm	295
PES FR Nessel 4 x 16	black	0,15 mm	307

### 1.3 Production and pretreatment of the samples for the tests according to DIN EN 13823

The samples were provided for the tests in the necessary sample dimensions, by the test laboratory. The tests were carried out full-laminar without joint design. A 80mm ventilated cavity was situated between the reverse face of the specimens and the plasterboard substrate in accordance with DIN EN 13823, Point 4.4.10 (calcium silicate, gross density 800 ± 150 kg/m<sup>3</sup>, thickness 12 ± 3 mm). All samples were tested in the same assembly. The samples were conditioned for more then 48 h to constant mass at a temperature of 23 ± 2°C and a relative humidity of 50 ± 5% prior to the testing.

### 1.4 Production and pretreatment of the samples for the tests according to DIN EN 11925-2

The samples were provided for the tests in the necessary sample dimensions, by the test laboratory. The samples were conditioned for more then 48 h to constant mass at a temperature of 23 ± 2°C and a relative humidity of 50 ± 5% prior to the testing.

Further details about the sample preparation are available in the corresponding test report.

16.11.2012

# Fire Test Certificate – Specimen

**Fabric:** Poly Silk  
**Type:** EN13501-1



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## 2. Test reports and test results

### 2.1 Test reports

Name of test laboratory	Customer	Report to form the basis	Test procedure
Exova Warringtonfire, Frankfurt		2012-2250	DIN EN 13823 (SBI)  EN ISO 11925-2 (30s ignition time and edge surface ignition)

### 2.2 Test results

Test procedures	Parameter / classes	Test results	
		average	
DIN EN 13823 (SBI)	FIGRA <sub>0,2MJ</sub> ≤ 120 [W/s] for class A2 FIGRA <sub>0,2MJ</sub> ≤ 120 [W/s] for class B	0	
	FIGRA <sub>0,4MJ</sub> ≤ 250 [W/s] for class C FIGRA <sub>0,4MJ</sub> ≤ 750 [W/s] for class D	0	
	THR <sub>600s</sub> [MJ] ≤ 7,5 MJ for class A2 THR <sub>600s</sub> [MJ] ≤ 7,5 MJ for class B THR <sub>600s</sub> [MJ] ≤ 15 MJ for class C THR <sub>600s</sub> [MJ] no requirement for class D	0,304	
	SMOGRAM-index ≤ 30 [m <sup>2</sup> /s <sup>2</sup> ] für s1 SMOGRAM-index ≤ 180 [m <sup>2</sup> /s <sup>2</sup> ] für s2	0	
	TSP <sub>600s</sub> ≤ 50 [m <sup>3</sup> ] for s1 TSP <sub>600s</sub> ≤ 200 [m <sup>3</sup> ] for s2	8,304	
	LFS < edge of the specimen for class A2 LFS < edge of the specimen for class B LFS < edge of the specimen for class C	fulfilled	
	no burning dripping off/dropping within 600s for class d0	fulfilled	
	DIN EN ISO 11925-2 30s 15s	FS ≤ 150 mm within 60 s for class B, C u. D FS ≤ 150 mm within 20 s for class E	fulfilled

**Explanations of table standing too above:**

Figra<sub>0,2MJ</sub>: Heat release rate with consideration of the THR of threshold value of 0,2MJ [W/s]

Figra<sub>0,4MJ</sub>: Heat release rate with consideration of the THR of threshold value of 0,4MJ[W/s]

THR<sub>600s</sub>: Total set free warmth during 600s [MJ]

SMOGRAM: Smoke development rate

TSP<sub>600s</sub>: Total set free smoke quantity during 600s [m<sup>3</sup>]

LSF: lateral propagation of flames

16.11.2012

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### 3 Classification and range of application

#### 3.1 Reference

The classification was carried out according to the chapter 11 of DIN EN 13501-1

#### 3.2 Classification

The tested material is incorporated regarding its behaviour in case of fire into the class **B**.  
Concerning the smoke development the tested material is incorporated into the class **s1**.  
Concerning the dripping off behaviour the tested material is incorporated into the class **d0**.

The classification of the tested material reads thus:

**B – s1 d0**

#### 3.3 Area of application

The classification is only valid for the in chapter one described material, in the tested square weights and colours, in free hanging configuration.  
The distance to other plane material must be more or equal to 80 mm.  
Open edges must be covered in the installation state.

Due to the experiences of the test laboratory also between lying square weights and colours are enclosed in the classification.

### 4 Reservation

This classification report replaces not a possible required type admittance or type certification of the product.

Frankfurt 14<sup>th</sup> November 2012



P. Scheinkönig  
Tester in charge



Dipl.-Ing. H. Bräuer  
Head of Exova Warringtonfire, Frankfurt

16.11.2012

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