

Tsarina

Perfect For: Masking • Decorative/Scenic • Film & TV • Stage



J&C Joel TM
Inspiration in every performance

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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/m²)



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

Datasheet - Fabrics & Flooring

Tsarina 450

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

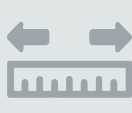
Fabric	Flame Retardancy	NDFR
	Fire Certification	BS5867, M1, EN13501-1
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	100% Cotton
	Construction of Fabric	V Weave
Chemicals	Surface Treatments	Piece Dyed, Chemically Fitted
	Brand Name of Flame Retardant Chemicals	Thor
	Chemical name of Flame Retardant Chemicals	Flammentin MSG
	Process of Flame Retardant Chemicals	Immersion
Care	Information	Non-Durably Flame Retardant. This means that the fabric is chemically treated and if wet (in any way) should be retreated to meet the flammability requirements of BS5867 Part 2 Type B, M1 and EN13501-1. Therefore, the cloth will not withstand wet cleaning and should be re-flame proofed whenever wet. The cloth can be professionally dry cleaned using the correct chemical process. 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. Commercial flame retardants may alter the aesthetics, appearance, colour or performance of the textile material. This fabric is not pre-shrunk.
	Laundering Treatment	     Dry Clean Only Do Not Wash Do Not Bleach Do Not Iron Do Not Tumble Dry
Notes		



Fire Rating:
NDFR



Approx Roll Length:
25m / 82ft



Width:
150cm / 59"



Weight:
450 g/m²



Fire Certification:
BS5867, M1,
EN13501-1



Colours
Available



Fabric Thickness:
1.80 mm

Determination of fabric thickness BS EN ISO 5084: 1997. Test report available upon request.

For further information please contact our sales team sales@jcjoel.com

Datasheet - Fabrics & Flooring

Tsarina 600

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

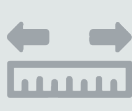
Fabric	Flame Retardancy	NDFR
	Fire Certification	BS5867, M1, EN13501-1
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	100% Cotton
	Construction of Fabric	V Weave
Chemicals	Surface Treatments	Piece Dyed, Chemically Fitted
	Brand Name of Flame Retardant Chemicals	Thor
	Chemical name of Flame Retardant Chemicals	Flammentin MSG
	Process of Flame Retardant Chemicals	Immersion
Care	Information	Non-Durably Flame Retardant. This means that the fabric is chemically treated and if wet (in any way) should be retreated to meet the flammability requirements of BS5867 Part 2 Type B, M1 and EN13501-1. Therefore, the cloth will not withstand wet cleaning and should be re-flame proofed whenever wet. The cloth can be professionally dry cleaned using the correct chemical process. 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. Commercial flame retardants may alter the aesthetics, appearance, colour or performance of the textile material. This fabric is not pre-shrunk.
	Laundering Treatment	     Dry Clean Only Do Not Wash Do Not Bleach Do Not Iron Do Not Tumble Dry
Notes		Approx Pile Height: 2.43mm



Fire Rating:
NDFR



Approx Roll Length:
25m / 82ft



Width:
150cm / 59"



Weight:
600 g/m²



Fire Certification:
BS5867, M1,
EN13501-1



Colours
Available



Fabric Thickness:
2.40 mm

Determination of fabric thickness BS EN ISO 5084: 1997. Test report available upon request.

For further information please contact our sales team sales@jcjoel.com

Fire Test Certificate – Specimen

Fabric: Molton Twill
Type: BS5867 Part 2 Type B

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Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
Telephone: +44 (0) 113 259 1999
Email: info@bttg.co.uk
: www.bttg.co.uk

Date: 21 December 2021

Our Ref: 23/59183B/12/21
Your Ref: ---

Page: 1 of 4

Client: J & C Joel Ltd

Corporation Mill
Corporation Street
Sowerby Bridge
Halifax
HX6 2QQ

Job Title: Fire Test on One Fabric Sample

Clients Order Ref: 65619

Date of Receipt: 9 December 2021

Date Test Started: 17 December 2021

Description of Sample: One sample of fabric, which was referenced by the client as;

Tsarina Velvet, stated to be: 100% Cotton NDFR

Work Requested: We were asked to make the following fire test:

BS 5867: Part 2:Type B:2008 (2015)

- * subcontracted test, UKAS accredited
- ** subcontracted test, EN ISO/IEC 17025 accredited
- *** not UKAS accredited



1066

Note: This report relates only to the samples submitted and as described in the report.

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Fire Test Certificate – Specimen

Fabric: Molton Twill
Type: BS5867 Part 2 Type B

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Client: J & C Joel Ltd

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

Pre-treatment

The sample was not subjected to any water soaking procedure.

Conditioning

The test specimens were conditioned for at least 24 hours in the standard atmosphere of 65 ± 5 % relative humidity (R.H.) and 20 ± 2 °C.

Testing

Three specimens from both length and width were tested in accordance with BS EN ISO 15025: Procedure A (surface ignition):2002.

Each specimen was subjected to an applied flame using butane 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:Type B:2008 (2015).



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Fire Test Certificate – Specimen

Fabric: Molton Twill
Type: BS5867 Part 2 Type B

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Client: J & C Joel Ltd

Results - 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
Afterflame (s)	0	0	0	0	0	0
Afterglow (s)	0	0	0	0	0	0

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: Pass

Comment

The fabric meets the Type B performance requirements of BS 5867: Part 2: 2008 – the fabric must be clearly labelled 'if wetted in any way it is essential to re-treat the fabric to meet flammability requirements'.

The 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 used in this test and the requirements of Clause 4 of BS 5867: Part 2: 2008 (2011). If the fabric is unsuitable for cleansing, this shall be stated.

An estimation of uncertainty of measurement has been taken into account when making a judgment to any pass/fail criteria. Under our Policy we have used a non-binary decision rule.

See our Decision rules Policy (<http://www.bttg.co.uk/decision-rules-policy>) for further information.



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Fire Test Certificate – Specimen

Fabric: Molton Twill
Type: BS5867 Part 2 Type B

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Page: 4 of 4

Client: J & C Joel Ltd

Uncertainty Budget

Measurements are not taken and pass/fail is related to flame extremities and flaming debris, as such any risk of false acceptance/false rejection is inherent with this standard and would be outside of 95% probability in any case. As such UoM is Zero providing all input parameters are correct.

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.

Reported by:  B Bland, Technical Customer Services Officer

Countersigned by:  P Doherty, Manager

Enquiries concerning this report should be addressed to Customer Services.



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Fire Test Certificate – Specimen

Fabric: Tsarina
Type: M1

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Laboratório de Fumo e Fogo
Test Report Nr LFF.2018.174
3/8



0 Document Control

0.1 Document Identification

Project	---
Document Name	Test Report Nr LFF.2018.174
Document File Name	---

0.2 Version Control

Version	Edition	Revision	Date	Description	Approved by
1	1	0	2018-12-12	Original version	JMG

0.3 Author(s)

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0.6 Distribution list

Name	Initials	Entity
Laboratório de Fumo e Fogo	LFF	INEGI
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Fire Test Certificate – Specimen

Fabric: Tsarina
Type: M1

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Laboratório de Fumo e Fogo
Test Report Nr LFF.2018.174
4/8



0 – Identification

Request: Fire Reaction Classification According to French Standards

Request Reference: PE30181082

Material Reference: 812101 Pile 100% CO

Reception Date: 2018-12-10

Test Date: 2018-12-12

SPECIMEN

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I.543.06

Fire Test Certificate – Specimen

Fabric: Tsarina
Type: M1

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Laboratório de Fumo e Fogo
Test Report Nr LFF.2018.174
5/8

1 - Scope

The reported tests concern the determination of the fire reaction class of a material with the reference 812101 Pile – 100% CO to be used for upholstery and curtains.

2 - Methodology

Test	Test procedure
Electric burner	NF P 92-503: 1995

The classification method was applied according to the standard NF P 92-507, issued in February 2004.

3 - Specimens

3.1 – Dimension and conditioning

The specimens were prepared in the laboratory from a sample supplied by the client and had the following dimensions:

Reference	Length (mm)	Width (mm)	Thickness (mm)	Mass (g)
LFF.2018.174.01	642	190	1.8	74.0
LFF.2018.174.02	657	190	1.8	75.9
LFF.2018.174.03	650	182	1.8	71.7
LFF.2018.174.04	652	183	1.8	71.1
LFF.2018.174.05	630	186	1.8	71.7
LFF.2018.174.06	628	192	1.8	72.7
LFF.2018.174.07	628	191	1.8	72.8
LFF.2018.174.08	628	195	1.8	74.1

Half of the specimens were cut crosswise and the other half lengthwise.

Prior to testing, the specimens were conditioned for a period of 45 hours at 23 ± 2 °C and 50 ± 5 % relative humidity, having met the constant mass criterion.

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Fire Test Certificate – Specimen

Fabric: Tsarina
Type: M1

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Test Report Nr LFF.2018.174
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4 - Results

4.1 – Electric burner (NF P 92-503)

The tests have been performed on the electric burner with the radiation incident on the material's velvety face or non-velvety face, on specimens cut crosswise and lengthwise, producing the following results:

Reference	LFF.2018.174.01			LFF.2018.174.02			LFF.2018.174.05			LFF.2018.174.06		
Time of igniter actuation	B	E	D	B	E	D	B	E	D	B	E	D
20 " - 25 "												
45 " - 50 "												
1'15 " - 1'20 "												
1'45 " - 1'50 "												
2'15 " - 2'20 "												
2'45 " - 2'50 "												
3'15 " - 3'20 "												
3'45 " - 3'50 "												
4'15 " - 4'20 "												
4'45 " - 4'50 "												
Destruction length from the lower edge of the specimen (mm)	190			195			185			200		
Destruction width from 450 to 600 mm (mm)	0			0			0			0		
Time of max. inflammation (s)	0			0			0			0		
Average length burnt (mm)							193					
Average width burnt (mm)							0					

B – Beginning of inflammation; E – End of inflammation; D – Duration of inflammation after removing the igniter;

Complementary observations

On course of the tests, abundant gray smoke has been released. No inflammation, perforation or droplets (flaming or non-flaming) were observed.

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

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Type: M1

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5 – Conclusion

Considering the above tests results, the material, according to NF P 92-507, is classified as **M1**.

Porto, December 12, 2018



José Mesquita Guimarães
Laboratory Technical Director

SPECIMEN

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Fire Test Certificate – Specimen

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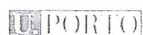
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A dark gray world map is centered in the background. Overlaid on the right side of the map is a vertical column of six circular icons. Each icon is divided into two halves: the left half is yellow and the right half is gray. Inside each circle is a white label representing a region. To the right of each circle is the company name for that region and its email address.

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