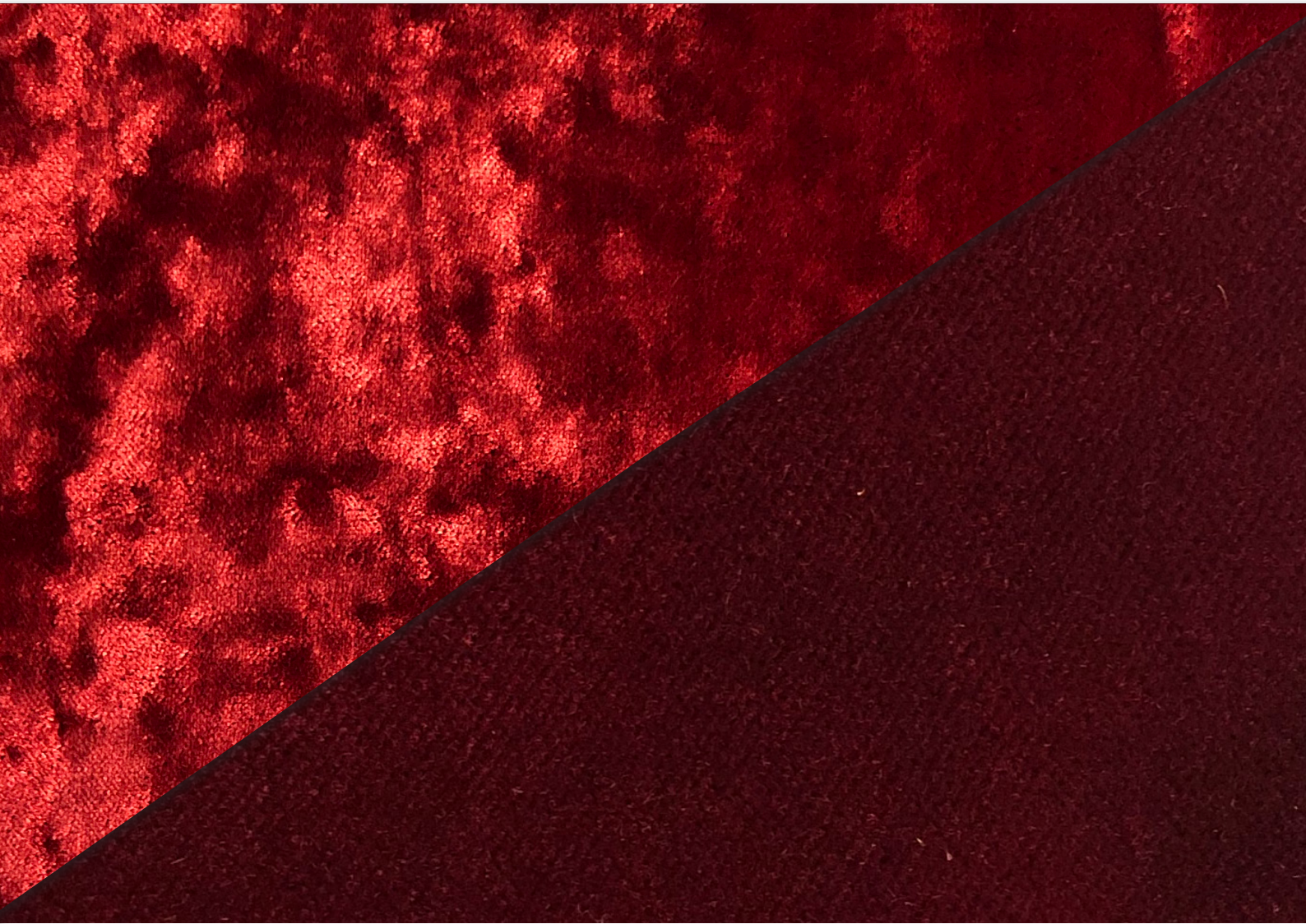


Othello

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



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Contents

Composition & Care

140 cm 3

Fire Certificates

M1 4

B1 5

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Martindale Rub Test 10

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

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	IFR
	Fire Certification	BS5867, M1, B1, EN ISO 6490/1
	Brand Name (and Manufacturer)	J&C Joel Ltd
	Material (Blending Ratio)	100% Polyester
	Construction of Fabric	N/A
Chemicals	Surface Treatments	N/A
	Brand Name of Flame Retardant Chemicals	N/A
	Chemical name of Flame Retardant Chemicals	N/A
	Process of Flame Retardant Chemicals	N/A
Care	Information	<p>Inherently Flame Retardant to BS5867, M1, B1 and EN ISO 6490/1. 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>
	Laundering Treatment	<div>      </div> <div> Dry Clean Only Do Not Wash Do Not Bleach Do Not Iron Do Not Tumble Dry </div>
Notes		<p>Martindale Rub Test, Abrasion Resistance: 40,000 (certificate available).</p> <p>Approx Pile Height: 2.10mm</p>



Fire Rating:
IFR



Approx Roll Length:
50m / 164ft



Width:
140cm / 55"



Weight:
400 g/m²



Fire Certification:
BS5867, M1, B1,
EN ISO 6490/1



Colours
Available



Fabric Thickness:
1.65 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: Othello
Type: M1

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This document is the translation of the French certificate n°18-01300 L on the June, 5th 2018 delivered by IFTH.

MATERIAL REACTION TO FIRE CLASSIFICATION
REPORT PREPARED IN COMPLIANCE WITH AMENDED 5 OF THE FRENCH HOME OFFICE
REGULATION DATED NOVEMBER 21ST, 2002 (OFFICIAL GAZETTE DATED DECEMBER 31, 2002)

Valid five years from issue date

CERTIFICATE N°18-01300 L

And 1 appendice of 6 pages

MATERIAL presented by :

TRADE NAME :

614.013

BRIEF DESCRIPTION :

Velvet 100 % inherent fire resistant polyester
Nominal surface weight : 390 g/m²
Nominal thickness : 2.1 mm
Colours : various

TEST REPORT :

N° 18-01300 E1 - V1 on the June, 5th 2018

TESTS :

Electrical burner test
Flame persistence test
Dripping test.

CLASSIFICATION :

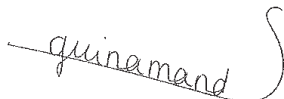
M 1

CLASSIFICATION DURATION (article 5 of appendix 2): unlimited unless otherwise specified

given the criteria resulting from the tests described in the enclosed test report.
The classification indicated does not mean that materials marketed comply with the test samples and must not be considered as a qualification certificate as defined by French law article L.433-3 n°2016-301 dated March 14th, 2016.

N.B.: Only integral copies of this document may be made by photocopying the classification report and/or the classification report and enclosed test report.

Issued in Lyon, France, on the June, 5th 2018



Sophie GUINAMAND
Engineer Tests and Trials



Jean-Marc ORAISON
In charge of Fire Regulation

Siège Social : 14 rue des reculettes – 75013 PARIS ● Tél : +33 (0)1 44 08 19 00 ● Fax : +33 (0)1 44 08 19 39 ● www.ifth.org
SIRET 433 430 832 00108 – NAF 729Z – TVA : FR 39 433430832 – CENTRE TECHNIQUE INDUSTRIEL (LOI DU 22 JUILLET 1948 – ARRETE DU 14 AVRIL 2000)

Fire Test Certificate – Specimen

Fabric: Othello
Type: B1

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Prüfinstitut Hoch

Lerchenweg 1
D-97650 Fladungen
Tel.: int – 49 – 9778-7480-200
hoch.fladungen@t-online.de

www.reaction-to-fire.de



Test laboratory for the fire behavior of building materials, Dipl.-Ing. (FH) Andreas Hoch
Testing, supervising and certifying body, authorized by the building supervision authority

TEST REPORT PZ-Hoch-170321

for the proof of Fire behaviour according to DIN 4102, part 1

Translation of the German test report – no guarantee for translation of technical terms

company

description of samples red fabric consisting of 100% Polyester FR

name of the material „614.013“

sampling by the company itself

content of request Proof of flammability to classify building materials to class B1
"schwerentflammbar" according to DIN 4102, part 1

validity of test report 28.02.2022

result The examined product meets the requirements of class B1 for
"schwerentflammbare" (hardly flammable) building materials
according to DIN 4102, part 1 (May 1998) , suspended freely or
with distance of >40 mm to same or other plain materials.

This test report includes 4 pages and 4 enclosures.

Remark: If the above mentioned building material is not used as product according to MBO § 2, Abs. 9, Ziffer 1, there is no need for a general building supervisory test report.

This test report is not valid if the examined building material is used as product in the meaning of state building prescriptions (MBO § 17, Abs. 3).


This test report does not replace an eventually necessary proof of applicability concerning building supervisory or building laws in the meaning of state building prescriptions. This has to be verified by:

- "allgemeine bauaufsichtliche Zulassung" (general building inspectorate approval) or by
- „allgemeines bauaufsichtliches Prüfzeugnis" (general building inspectorate certificate) or by
- "Zustimmung im Einzelfall" (exceptional approval)

This test report can underlie building supervisory procedures

- for regular building products for the prescribed proofs of conformity
- for non regular building products for the needed proofs of applicability.

This test report must not be published and copied without preceding agreement of the test laboratory and if agreed, only during validity and unchanged concerning appearance and contents.

member of 
notified body no.: 1508

By the DAkkS according to DIN EN ISO/IEC 17025 accredited test laboratory.
The accreditation is valid for the testing methods specified in the certificate.

 **DAkkS**
Deutsche
Akkreditierungsstelle
D-PL 11005-01 00

Fire Test Certificate – Specimen

Fabric: Othello
Type: EN ISO 6940 & 6941

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Analysis Report 18.03987.01
Date 30-07-2018
Page 1/4



Your notice of
06-07-2018

Your reference

Date
30-07-2018

Analysis Report 18.03987.01

Required tests :

EN ISO 6940 (2004)

Textile fabrics - Determination of ease of ignition of vertically oriented specimens.

EN ISO 6941 (2003)

Measurement of flame spread properties of vertically oriented specimens.

Identification number	Information given by the client	Date of receipt
TI816356	614.013	06-07-2018

Mieke Demeyer

Order responsible

This report may be reproduced, as long as it is presented in its entire form, without written permission of Centexbel.
The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.
In assessing compliance with the specifications, we did not take into account the uncertainty on the test results.

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Inrichting erkend bij toepassing van de besluitwet van 30-01-1947 • Etablissement reconnu par application de l'arrêté-loi du 30-01-1947
GENT • Technologiepark 7 • BE-9052 Zwijnaarde, Belgium • phone +32 9 220 41 51 • fax +32 9 220 49 55 • gent@centexbel.be
GRACE-HOLLOGNE • Rue du Travail 5 • BE-4460 Grâce-Hollogne, Belgium • phone +32 4 296 82 00 • g-h@centexbel.be
KORTRIJK • Etienne Sabbelaan 49 • BE-8500 Kortrijk, Belgium • phone +32 56 281828 • fax +32 56 281830 • info@vkc.be
VAT BE 0459.218.289 • IBAN BE44 2100 4729 6545 • BIC GEBABEBB

Fire Test Certificate – Specimen

Fabric: Othello
Type: EN ISO 6940 & 6941

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Analysis Report 18.03987.01
Date 30-07-2018
Page 2/4

Reference: T1816356 - 614.013

Textile fabrics - Determination of ease of ignition of vertically oriented specimens.

Date of ending the test 20-07-2018
Standard used EN ISO 6940 (2004)

Deviation from the standard -

Conditioning 20°C, relative humidity 65%

Ignition Bottom edge

The test specimens have not been cleaned nor submitted to an accelerated ageing procedure.

Length

Flame application time (s)	Cases of ignition	Cases of non-ignition
1	0	1
2	0	1
3	0	1
4	0	1
5	0	1
6	0	1
7	0	1
8	0	1
9	0	1
10	0	1
11	0	2
12	1	1
13	0	1
14	0	1
15	0	1
16	0	1
17	0	1
18	0	1
19	0	1
20	0	5

The test requires at least five instances of ignition and five instances of non-ignition. Because less than 5 instances of ignition have been measured, and taking into account §12 of ISO 6940, a 'non-ignition' for this test is recorded

Performed under accreditation in the fire lab under the responsibility of Mieke Demeyer

Fire Test Certificate – Specimen

Fabric: Othello
Type: EN ISO 6940 & 6941

Analysis Report 18.03987.01
Date 30-07-2018
Page 3/4

Width

Flame application time (s)	Cases of ignition	Cases of non-ignition
1	0	1
2	0	1
3	0	1
4	0	1
5	0	1
6	0	1
7	0	1
8	0	1
9	0	1
10	0	1
11	0	1
12	0	1
13	0	1
14	0	1
15	0	1
16	0	1
17	0	1
18	0	1
19	0	1
20	0	5

No ignition within 20 s

Performed under accreditation in the fire lab under the responsibility of Mieke Demeyer

Fire Test Certificate – Specimen

Fabric: Othello
Type: EN ISO 6940 & 6941

Analysis Report 18.03987.01
Date 30-07-2018
Page 4/4

Reference: T1816356 - 614.013

Measurement of flame spread properties of vertically oriented specimens.

Date of ending the test 20-07-2018
Standard used EN ISO 6941 (2003)

Deviation from the standard -

Conditioning 20°C, relative humidity 65%

Ignition Procedure B - bottom edge ignition

The test specimens have not been cleaned nor submitted to an accelerated ageing procedure.

Flame application time (s) 10

	Length			Width		
	1	2	3	1	2	3
Afterflame time (s)	10	0	27	0	0	0
Time to sever 220 mm thread, t1 (s)	*	*	*	*	*	*
Time to sever 370 mm thread, t2 (s)	*	*	*	*	*	*
Time to sever 520 mm thread, t3 (s)	*	*	*	*	*	*

* = thread not severed.

Performed under accreditation in the fire lab under the responsibility of Mieke Demeyer

Martindale Rub Test

Fabric: Othello



Intertek
The Warehouse
Brewery Lane
Leigh, WN7 2RJ
UK

Tel +441942 265 700
consumergoods.uk@intertek.com
www.intertek.com

TEST REPORT

Report Ref.	LEI21050642A Original		
Date Received	10/05/2021	Date Issued	12/05/2021



Order Number	MD02
End Use	Upholstery
Quoted Fibre Composition	100% Polyester
Retailer	General

Test	Method	Sample	Result
Upholstery Seam Slippage Resistance - Fixed Load	BS EN ISO 13936-2: 2004		See Results
Tensile Properties of Fabrics - Strip method	BS EN ISO 13934-1: 2013		See Results
Tear Properties of Fabrics - Wing-shaped Tear	BS EN ISO 13937-3: 2000		See Results
Martindale Abrasion Resistance - 12 kPa	BS EN 14465: 2003 Annex A		See Results

Tests marked (^) in this report have been performed by an approved 3rd party laboratory.
Tests marked (*) in this report are not included in our UKAS scope of accreditation.

Please Note: The Flammability will follow on report number LEI21050643A once completed

Louise Thompson
(Client Services Team Leader)



Martindale Rub Test

Fabric: Othello



Intertek
The Warehouse
Brewery Lane
Leigh, WN7 2RJ
UK

Tel +441942 265 700
consumergoods.uk@intertek.com
www.intertek.com

Upholstery Seam Slippage Resistance - Fixed Load BS EN ISO 13936-2: 2004 Conditioning Parameters: 20°C±2°C & 65% rH±4% rH

	Warp way seam opening @ 180 N	Weft way seam opening @ 180 N	Performance Level
180N Test load			
1	1 mm	1 mm	A = 4mm
2	1 mm	1 mm	B = 6mm
3	1 mm	1 mm	C = 8mm
4	1 mm	1 mm	D + E = N/A
5	1 mm	1 mm	
Average	1 mm	1 mm	
Performance level	A	A	
Overall performance level	A		
BS 2543: 2004 Classification (Minimum levels for customer reference)			
Light Domestic	C - ≤ 8mm		
General Domestic	B - ≤ 6mm		
Heavy Domestic	A = ≤ 4mm		
General Contract	A = ≤ 4mm		
Severe Contract	A = ≤ 4mm		

Overall Test Result: See Results
Uncertainty: ±2.4%

Tensile Properties of Fabrics - Strip method BS EN ISO 13934-1: 2013 Conditioning Parameters: 20°C±2°C & 65% rH±4% rH

Martindale Rub Test

Fabric: Othello

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Leigh, WN7 2RJ
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	Warp Force	Warp Elongation	Weft Force	Weft Elongation	Performance Level
1	1536 N	31.95 %	1682 N	24.50 %	A = 600 N
2	1546 N	31.84 %	1726 N	24.71 %	B = 400 N
3	1546 N	32.14 %	1662 N	24.05 %	C = 350 N
4	1600 N	35.85 %	1664 N	24.00 %	D = 250 N
5	1588 N	31.50 %	1670 N	24.70 %	E = N/A
Average	1563 N	32.06 %	1681 N	24.39 %	
Performance level	A	N/A	A	N/A	
Overall performance level	A				
BS 2543: 2004 Classification (Minimum levels for customer reference)					
Light Domestic	C - 350 N				
General Domestic	C - 350 N				
Heavy Domestic	B = 400 N				
General Contract	B = 400 N				
Severe Contract	B = 400 N				

Overall Test Result: See Results
Uncertainty: $\pm 1.6\%$

Tear Properties of Fabrics - Wing-shaped Tear BS EN ISO 13937-3: 2000

	Across Warp	Across Weft	Performance Level
1	54.1 N	60.2 N	A = 40N
2	51.8 N	58.2 N	B = 30N
3	57.7 N	58.2 N	C = 25N
4	54.2 N	59.5 N	D = 20N
5	53.3 N	59.1 N	E = 15N
Average	54.2 N	59 N	
Performance level	A	A	
Overall performance level	A		
BS 2543: 2004 Classification (Minimum levels for customer reference)			
Light Domestic	E = 15 N		
General Domestic	D = 20N		
Heavy Domestic	C = 25 N		
General Contract	C = 25 N		
Severe Contract	C = 25 N		

Overall Test Result: See Results
Uncertainty: $\pm 2.5\%$

LAB REPORT LEI21050642A Original : Page 3 of 5

ITS Testing Services (UK) Ltd
Registered in England No. 1408264. Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ



Martindale Rub Test

Fabric: Othello



Intertek
The Warehouse
Brewery Lane
Leigh, WN7 2RJ
UK

Tel +441942 265 700
consumergoods.uk@intertek.com
www.intertek.com

Martindale Abrasion Resistance - 12 kPa BS EN 14465: 2003 Annex A
Conditioning Parameters: 20°C±2°C & 65% rH±4% rH

	Results	Requirements		
Shade Change @ 3000 revs	4 - 5			
	Abrasion Resistance*	Performance level		
Specimen 1	>40,000 Revs	A = 45,000		
Specimen 2	>40,000 Revs	B = 25,000 - 40,000		
Specimen 3	>40,000 Revs	C = 10,000 - 20,000		
Overall result**	>40,000 Revs			
Overall performance level	B			
Test information				
Test load: 12 kPa				
Fabric Type	Woven cut pile			
Breakdown criteria	None found			
Inspection interval	Every 5000 Revs			
Foam used	Yes			
*The abrasion resistance result is the last inspection point at which no breakdown was observed.				
**The overall result is the lowest individual test result of all the test specimens tested.				
BS 2543: 2004 Classification (Minimum levels for customer reference)				
	Flat woven	Figured weave	Woven/Flocked/Non-Woven Pile Fabrics	Knitted
Light Domestic	15,000	12,000	15,000	15,000
General Domestic	20,000	15,000	20,000	20,000
Heavy Domestic	25,000	20,000	25,000	25,000
General Contract	30,000	30,000	25,000	25,000
Severe Contract	40,000	40,000	30,000	30,000

Overall Test Result: See Results
Uncertainty: ±17.1%

Report Type	Issue Date	Revision Reason	Revision Description
Original	12-May-21	Complete Original Issue	N/A



Martindale Rub Test

Fabric: Othello

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The Warehouse
Brewery Lane
Leigh, WN7 2RJ
UK

Tel +441942 265 700
consumergoods.uk@intertek.com
www.intertek.com

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The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k = 2$, providing a level of confidence of approximately 95 %. Unless otherwise specified all compliance and pass/fail statements are binary simple acceptance based on the tolerance interval and, with the exception of graded methods, a test uncertainty ratio greater (TUR) than 4:1. For graded methods the TUR will drop to as low as 0.5:1 when the tolerance limits are within a grade division of the upper scale limit. The Uncertainty budgets are stated for each Test method, these are for reference, and should be considered when results are on or close to Specification Limits / Requirements and in such cases it should be noted that the risk of false acceptance or rejection may be as high as 50%, for further information please refer to ILAC G8.

LAB REPORT LEI21050642A Original : Page 5 of 5

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J&C Joel United Kingdom - HQ
uksales@jcjoel.com



J&C Joel Europe
eusales@jcjoel.com



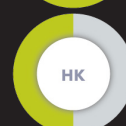
J&C Joel Middle East
uaesales@jcjoel.com



J&C Joel Vietnam
asiasales@jcjoel.com



J&C Joel Macau
asiasales@jcjoel.com



J&C Joel Hong Kong
asiasales@jcjoel.com