

PREMIUM MOLTON 4.0

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

J&C Joel ™
Inspiration in every performance

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Composition and Care

400 cm	3	EN13501-1	18
Fire Certificates		EN13773	22
BS5867 Part 2 Type B	4	NFPA 701	26
M1	8		
B1	9		

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	NDFR
	Fire Certification	BS5867 Part 2 Type B, B1, EN13501-1, M1, EN13773, NFPA 701
	Brand Name (and Manufacturer)	J&C Joel Ltd.
	Material (Blending Ratio)	66% Cotton, 34% Viscose
	Construction of Fabric	Twill Weave
Chemicals	Surface Treatments	Dyed & Flameproofed
	Brand Name of Flame Retardant Chemicals	N/A
	Chemical name of Flame Retardant Chemicals	N/A
	Process of Flame Retardant Chemicals	Immersion
Care	Information	<p>Non-Durably Flame Retardent. This means the fabric is chemically treated if wet (in any way) should be treated to meet the flammability requirements of BS5867 Part 2 Type B, M1, B1, EN13501-1, EN13773 and NFPA 701. 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.</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. Commercial flame retardents may alter the aesthetics, appearance, colour or performance of the textile material.</p> <p>This fabric is not pre-shrunk.</p>
	Laundering Treatment	     <p>Dry Clean Only Do Not Wash Do Not Bleach Do Not Iron Do Not Tumble Dry</p>
Notes		

 <p>Fire Rating: NDFR</p>	 <p>Approx Bale Length: 60m / 197ft</p>	 <p>Width: 400cm / 157"</p>	 <p>Weight: 320 g/m²</p>	 <p>Fire Certification: BS5867, B1, EN13501-1, M1, EN13773, NFPA 701</p>	 <p>Colour Available 1</p>
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Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

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: onestopshop@bttg.co.uk

Website: www.bttg.co.uk

Date: 8 June 2022

Our Ref: 23/59790/05/22

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: 67522

Date of Receipt: 31 May 2022

Date Test Started: 06 June 2022

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



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

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Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: BS5867 Part 2 Type B

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Page: 2 of 4

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 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:Type B:2008 (2015).



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Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: BS5867 Part 2 Type B

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Page: 3 of 4

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: Premium Molton 4.0

Type: BS5867 Part 2 Type B

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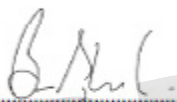
Page: 4 of 4

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: Premium Molton 4.0

Type: M1

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CSTB
le futur en construction

Safety, Structures and Fire Department
Fire Studies and Tests Division

CLASSIFICATION REPORT REACTION TO FIRE OF A MATERIAL

According to the decree of November 21st, 2002 modified relating to the reaction to fire
of construction and installation products
Pilot laboratory recognized by the Ministry of the Interior (decree of February 5th, 1959, modified)

Seule la version française fait foi
Only the French version is legally acceptable

No. RA24-0220

Valid 5 years from July 16th, 2024

Material presented by:

Commercial brand: 9719 PRO Molton

Brief description:

Plain cotton fabric for decoration.

Composition: 66 % cotton recycled + 34 % fire-retardant viscose by pad finishing.

Measured thickness: 0,72 mm.

Nominal weight per unit area: 320 g/m².

Colour: black.

Nature of the test:

Electrical burner test

Ageing in climatic chamber

Classification(s):

M1

Durability of the classification (Appendix 2 - Paragraph 5): Non-limited (non-washable product, non-regenerable product, for indoor use exclusively).

Considering the criteria resulting from the tests described in the appended Test Report No. DSSF-24-37143

This classification report certifies only the characteristics of the object submitted for testing but does not prejudice the characteristics of similar products. So it does not constitute a product certification in the sense of the Consumer Code. Only the electronic report signed with a valid digital certificate is taken in the event of litigation. The electronic report is kept at CSTB for a minimum period of 10 years. The reproduction of this electronic report is only authorized in its integral form. Only the French version is authentic.

Prepared at Champs-sur-Marne, November 22nd, 2024

Fire Studies and Tests Technical Referent

Signé numériquement par Nitro
Software Belgium NV - Nitro Sign
Premium pour le compte de
Clotilde ETIEMVRE
(clotilde.etiemvre@cstb.fr)
Date : 22/11/2024 15:42:47
Signé avec le mot de passe à
usage unique envoyé par email :
430477

Only full copies of the present report or of the classification report plus appended test report are hereby authorized.

CENTRE SCIENTIFIQUE ET TECHNIQUE DU BÂTIMENT


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MARNE-LA-VALLÉE / PARIS / GRENOBLE / NANTES / SOPHIA ANTIPOLIS


Trame procès-verbal rev06


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Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: B1

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Prüfinstitut Hoch

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Prüfinstitut für das Brandverhalten von Bauprodukten, Dipl.-Ing. (FH) Andreas Hoch
Bauaufsichtlich anerkannte Prüf-, Überwachungs- und Zertifizierungsstelle

PRÜFZEUGNIS PZ-Hoch-240939

zum Nachweis des Brandverhaltens nach DIN 4102, Teil 1

Antragsteller

Art des Prüfmaterials	schwarzes Gewebe aus recycelter Baumwolle und Viskose
Bezeichnung des Prüfmaterials	„Artikel 9719 PRO Molton“
Probenahme	durch den Antragsteller
Inhalt des Antrags	Prüfung auf Entflammbarkeit zur Einreihung in die Baustoffklasse B1 "schwerentflammbar" nach DIN 4102, Teil 1
Geltungsdauer des Prüfzeugnisses	30.06.2029
Ergebnis	Das geprüfte Produkt erfüllt freihängend oder im Abstand größer 40 mm zu gleichen oder anderen flächigen Baustoffen, die Anforderungen der Baustoffklasse B1 für schwerentflammbare Baustoffe nach DIN 4102, Teil 1 (Mai 1998).



Das Prüfzeugnis umfasst 4 Seiten und 5 Anlagen.

Hinweis: Falls der o.g. Baustoff nicht als Bauprodukt gemäß MBO § 2, Abs. 9, Ziffer 1, verwendet wird, ist ein allgemeines bauaufsichtliches Prüfzeugnis nicht erforderlich.

Dieses Prüfzeugnis gilt nicht, wenn der geprüfte Baustoff als Bauprodukt im Sinne der Landesbauordnungen verwendet wird (MBO § 17, Abs. 3).

Dieses Prüfzeugnis ersetzt nicht einen gegebenenfalls notwendigen baurechtlichen / bauaufsichtlichen Verwendbarkeitsnachweis nach Landesbauordnung. Dieser ist zu führen durch:

- eine allgemeine bauaufsichtliche Zulassung oder durch
- ein allgemeines bauaufsichtliches Prüfzeugnis oder durch
- eine Zustimmung im Einzelfall

Im bauaufsichtlichen Verfahren kann dieses Prüfzeugnis als Grundlage dienen


- bei geregelten Bauprodukten für die vorgeschriebenen Übereinstimmungsnachweise
- bei nicht geregelten Bauprodukten für die erforderlichen Verwendbarkeitsnachweise.




Das Prüfzeugnis darf ohne vorherige Zustimmung der Prüfstelle nur innerhalb des Geltungszeitraumes und nur nach Form und Inhalt unverändert veröffentlicht oder vervielfältigt werden.

POB-04-FB05 Rev.04
Mitglied der egulf
notified body no.: 1508

Durch die DAkkS nach DIN EN ISO/IEC 17025 akkreditiertes Prüflaboratorium.
Die Akkreditierung gilt für die in der Urkunde aufgeführten Prüfverfahren



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Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: B1



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Lerchenweg 1
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Seite 2 von 4 zum Prüfzeugnis
PZ-Hoch-240939

1. Beschreibung des Versuchsmaterials im Anlieferungszustand

PN 39624: „Artikel 9719 PRO Molton“ Farbe: **schwarz**
-Gewebe aus 66% recycelter Baumwolle und 34% Viskose -
Es besteht kein Unterschied zwischen der Seite A und der Seite B.
Von der Prüfstelle ermittelte Kennwerte:
Dicke ≈ 1,31 mm / Flächengewicht ≈ 394 g/m²

Weitere Angaben zur Zusammensetzung des geprüften Baustoffes liegen der Prüfstelle nicht vor. Muster sind hinterlegt.

2. Herstellung und Vorbehandlung der Proben

Aus dem Material wurden Proben mit den Abmessungen 1000 mm x 190 mm zur Beflammung im Brandschacht herausgeschnitten.
Die Proben wurden in einem Klima 23/50 bis zur Gewichtskonstanz gelagert.

3. Probenanordnung -freihängend-

#8008: Seite A in Längsrichtung
#8009: Seite B in Querrichtung
#8012: Seite B in Querrichtung
#8013: Seite B in Querrichtung

4. Prüfdatum KW 28 in 2024

5. Versuchsergebnisse Die Prüfung erfolgte gemäß DIN 4102 (Mai 1998)



Zeilen Nr.	Messwert-Art	Messwert für Probekörper					Dimension
		Versuchs-Nr.	#8008	#8009	#8012	#8013	
Beflammung	Seite Richtung	Seite A längs	Seite B quer	Seite B quer	Seite B quer	---	---
1	Nr. Probenanordnung gem. DIN 4102/T15, Tab. 1	1	1	1	1	---	---
2	Maximale Flammenhöhe über Probenunterkante	50	60	60	60	---	cm
3	Zeitpunkt ¹⁾	0:10	0:20	0:39	0:29	---	min:s
4	Durchschmelzen / Durchbrennen Zeitpunkt ¹⁾	0:28	0:39	0:47	0:50	---	min:s
5	Feststellungen a. d. Probenrückseite Flammen/Glimmen Zeitpunkt ¹⁾	---	---	---	---	---	min:s
6	Verfärbungen Zeitpunkt ¹⁾	J.	J.	J.	J.	J.	min:s
7	Brennendes Abtropfen Beginn ¹⁾	J.	J.	J.	J.	J.	min:s
8	Umfang vereinzelt abtropfendes Probenmaterial ²⁾	---	---	---	---	---	---
9	stetig abtropfendes Probenmaterial ²⁾	---	---	---	---	---	---
10	Brennend abfallende Probenteile Beginn ¹⁾	J.	J.	J.	J.	J.	min:s
11	Umfang	---	---	---	---	---	---
12	vereinzelt abfallende Probenteile ²⁾	---	---	---	---	---	---

PZ-04/305 Rev02

Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: B1



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Seite 3 von 4 zum Prüfzeugnis
PZ-Hoch-240939

Zeilen Nr.	Messwert-Art	Messwert für Probekörper					Dimension
		Versuchs-Nr.	#8008	#8009	#8012	#8013	
Beflam-mung	Seite Richtung	Seite A längs	Seite B quer	Seite B quer	Seite B quer	---	
	stetig abfallende Probenteile ²⁾						
13	<u>Dauer des Weiterbrennens auf dem Siebboden (max.)</u>	J.	J.	J.	J.	J.	min:s
14	<u>Beeinträchtigung der Brennerflamme durch abtropfendes/abfallendes Material: Zeitpunkt ¹⁾</u>	J.	J.	J.	J.	J.	min:s
15	Ende des Brandgeschehens an den Proben ¹⁾	1:15	1:00	2:35	1:30	---	min:s
16	Zeitpunkt d. ggf. erfolgten Versuchsabbruchs ¹⁾	J.	J.	J.	J.	J.	min:s
17	<u>Nachbrennen nach Versuchsende</u>						min:s
18	Dauer ¹⁾	J.	J.	J.	J.	J.	
19	Anzahl der Proben	---	---	---	---	---	
20	Probenvorderseite ²⁾	---	---	---	---	---	
21	Probenrückseite ²⁾	---	---	---	---	---	
22	<u>Nachglimmen nach Versuchsende</u>						min:s
23	Dauer ¹⁾	J.	J.	J.	J.	J.	
24	Anzahl der Proben	---	---	---	---	---	
25	Ort des Auftretens						
26	Untere Probenhälfte ²⁾	---	---	---	---	---	
27	Obere Probenhälfte ²⁾	---	---	---	---	---	
28	Probenvorderseite ²⁾	---	---	---	---	---	
29	Probenrückseite ²⁾	---	---	---	---	---	
28	Rauchdichte $\leq 400 \% \cdot \text{min}$	7	7	9	9	---	% * min
29	$> 400 \% \cdot \text{min}^{4)}$	---	---	---	---	---	% * min
30	Diagramm in Anlage Nr.	1	2	3	4	---	
31	<u>Restlängen: Einzelwerte³⁾</u>						cm
	Probe 1	44	33	37	34	---	
	Probe 2	40	39	38	38	---	
	Probe 3	43	37	37	35	---	
	Probe 4	42	33	41	34	---	
32	Mittelwert Einzelversuch ³⁾	42	36	38	35	---	cm
33	Foto des Probekörpers in Anlage Nr.	1	2	3	4	---	
34	<u>Rauchgastemperatur</u>						°C
35	Maximum des Mittelwertes	113	110	112	115	---	
36	Zeitpunkt ¹⁾	10:00	09:27	10:00	09:57	---	min:s
37	Diagramm in der Anlage Nr.	1	2	3	4	---	
37	Bemerkungen: keine						

1) Zeitangaben ab Versuchsbeginn
2) Zutreffendes angekreuzt

3) Bei Feuerschutzmitteln Angaben von Trägerplatte/Schaumschicht getrennt.
4) sehr starke Rauchentwicklung

PRF-04-F002 Rev02

Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: B1

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Seite 4 von 4 zum Prüfzeugnis
PZ-Hoch-240939

6. Erläuterungen zur Versuchsdurchführung

-keine-

7. Zusammenfassung der Ergebnisse und ergänzende Feststellung zum Brandverhalten

Zeilen Nr.	Messwert-Art Versuchs-Nr.	Messwert für Probekörper					Dimension
		#8008	#8009	#8012	#8013	---	
Beflam- mung	Seite Richtung	Seite A längs	Seite B quer	Seite B quer	Seite B quer	---	
1	Mittlere Restlänge	42	42	38	35	---	cm
2	Max. mittlere Rauchgastemperatur	113	113	112	115	---	°C
3	Rauchdichte	7	7	9	9	---	%min
4	Bemerkungen: -keine-						

Nach DIN 4102 Teil1 müssen schwerentflammbare Baustoffe auch die Anforderungen der Baustoffklasse B2 erfüllen.

Gemäß zusätzlicher Prüfungen im Brennkasten ist dies der Fall (siehe Anlage 5).

8. Besondere Hinweise

- Die genannten Ergebnisse gelten nur für den in Abschnitt 1 beschriebenen Baustoff. Im Verbund mit zusätzlichen Materialien (Beschichtung, Untergrund) kann sich das Brandverhalten ändern.
- Dieses Prüfzeugnis gilt nicht als Nachweis des Brandverhaltens nach Bewitterung, Waschen oder chemisch Reinigen.
- Dieses Prüfzeugnis gilt nicht, wenn der geprüfte Baustoff als Bauprodukt im Sinne der Landesbauordnungen verwendet wird (MBO § 17, Abs. 3).
- Das Prüfzeugnis ist kein Ersatz für eine bauaufsichtliche Zulassung oder ein allgemeines bauaufsichtliches Prüfzeugnis. Es wird unbeschadet eventueller Rechte Dritter erteilt.
- Im bauaufsichtlichen Verfahren kann dieses Prüfzeugnis als Grundlage dienen
 - bei geregelten Bauprodukten für die vorgeschriebenen Übereinstimmungsnachweise
 - bei nicht geregelten Bauprodukten für die erforderlichen Verwendbarkeitsnachweise.
- Die Erläuterungen in DIN 4102-1, Anhang D, insbesondere zur Fremdüberwachung, sind besonders zu beachten.

9. Geltungsdauer

Dieses Prüfzeugnis gilt bis zum auf der Seite 1 genannten Zeitpunkt, falls sich die Prüfvorschriften und Beurteilungsgrundlagen, dem Stand der Technik folgend, nicht vorzeitig ändern.

Fladungen, den 16.07.2024

Sachbearbeiter:

(Dipl.-Ing.(FH) Jürgen Hammer)




Leiter der Prüfstelle:

(Dipl.-Ing.(FH) Andreas Hoch)


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Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: B1

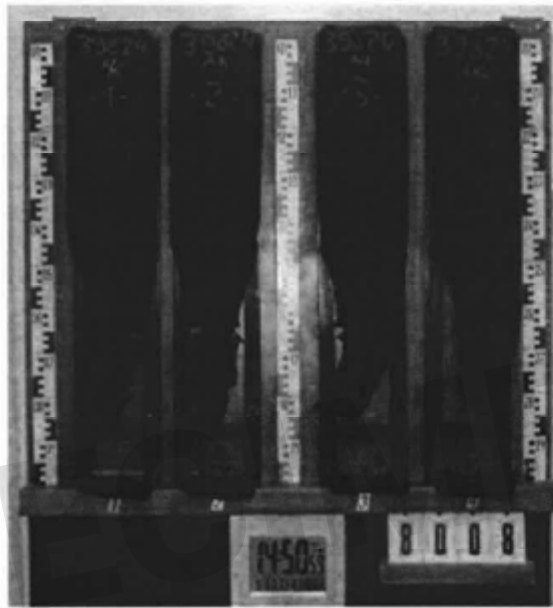
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Prüfinstitut Hoch
Lerchenweg 1
D-97650 Fladungen

Anlage 1 zum Prüfzeugnis
PZ-Hoch-240939

Brandschachtprüfung #8008

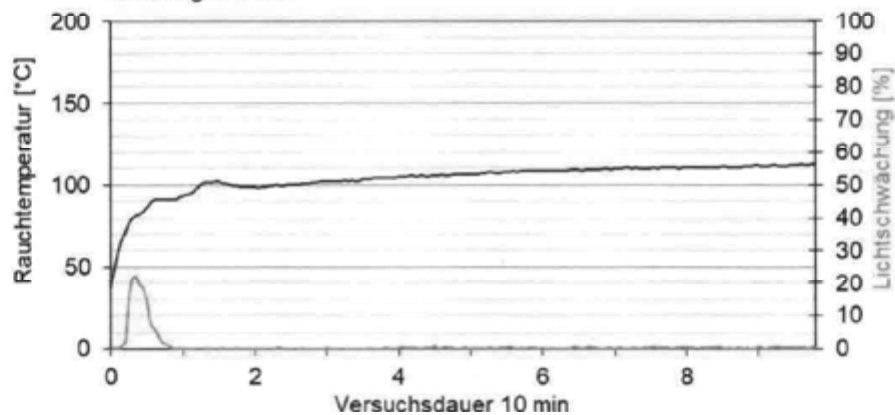


Messdaten


#8008, PN39624: A + L


max. Rauchttemperatur: 113°C, Rauch-Integral: 7%min

Restlänge: 42 cm





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Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: B1

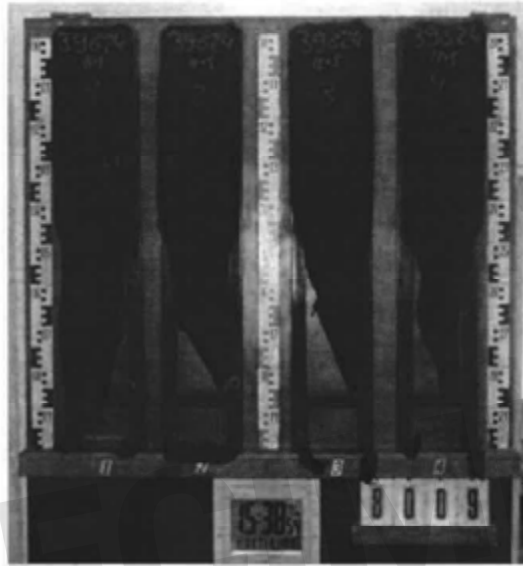
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Anlage 2 zum Prüfzeugnis
PZ-Hoch-240939

Brandschachtprüfung #8009

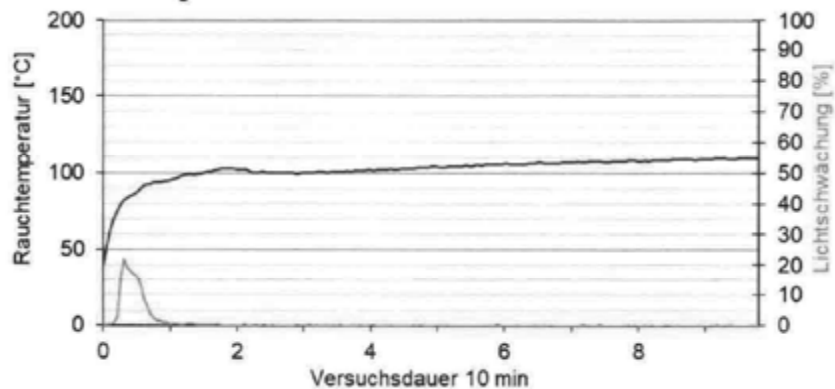


Messdaten

#8009, PN39624: B + Q


max. Rauchttemperatur: 110°C, Rauch-Integral: 7%min


Restlänge: 36 cm




FD-04-FB02 Rev02


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Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: B1

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Anlage 3 zum Prüfzeugnis
PZ-Hoch-240939

Brandschachtprüfung #8012

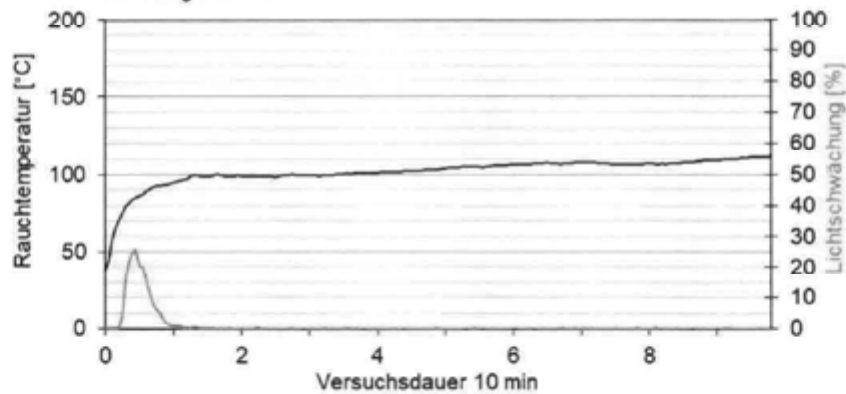


Messdaten

#8012, PN39624: B + Q


max. Rauchtemperatur: 112°C, Rauch-Integral: 9%min


Restlänge: 38 cm




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Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: B1

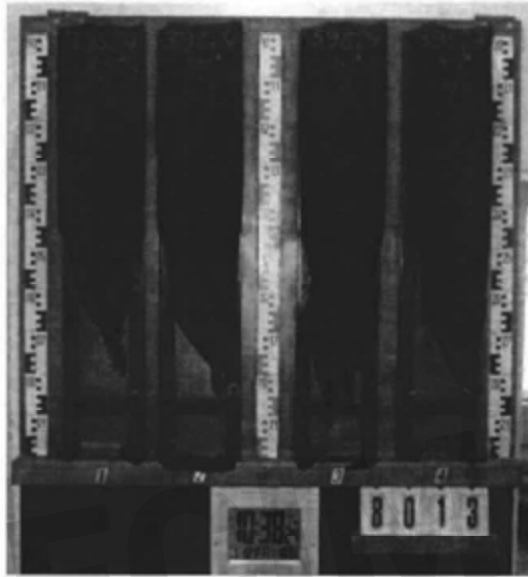
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Anlage 4 zum Prüfzeugnis
PZ-Hoch-240939

Brandschachtprüfung #8013

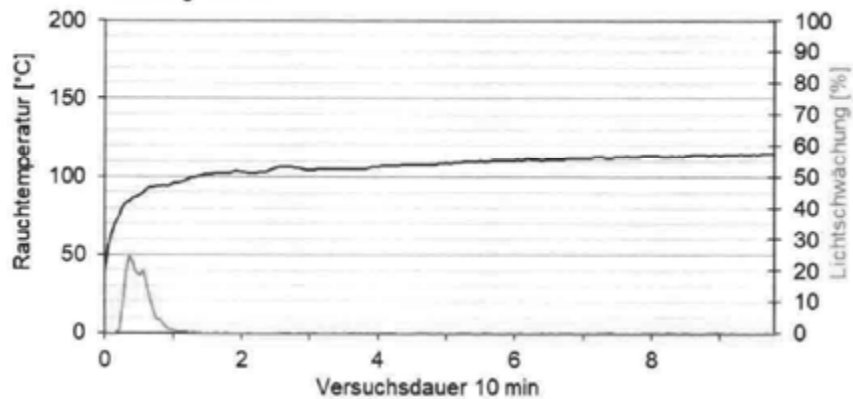


Messdaten

#8013, PN39624: B + Q


max. Rauchtemperatur: 115°C, Rauch-Integral: 9%min


Restlänge: 35 cm




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Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: B1



Prüfinstitut Hoch
Lerchenweg 1
D-97650 Fladungen

Anlage 5 zum Prüfzeugnis
PZ-Hoch-240939

Prüfung auf Normalentflammbarkeit
Einreihung in die Baustoffklasse B2 nach DIN 4102

1. **Beschreibung des Versuchsmaterials im Anlieferungszustand** s. Seite 2
2. **Herstellung und Vorbehandlung der Proben**
Aus dem Material wurden Proben für den Kanten- und Flächentest herausgeschnitten.
Die Proben wurden in einem Klima 23/50 bis zur Gewichtskonstanz gelagert.
3. **Probenanordnung**
-Freihängend - Beflammung der Seite A und B in Längs- und Querrichtung
4. **Prüfdatum** KW 28 in 2024
5. **Versuchsergebnisse**

PN 39624: Beflammung Seite A in Querrichtung	Kantenbeflammung						Flächenbeflammung						g
Proben Nr.	1	2	3	4	5	6	1	2	3	4	5	6	
Entzündung ¹⁾	1	1	1	1	1	--	3	--	--	--	--	--	J.
Erreichen d. Messmarke ¹⁾²⁾	J.	J.	J.	J.	J.	--	J.	--	--	--	--	--	s
max. Flammenhöhe	3	3	3	3	3	--	3	--	--	--	--	--	cm
Zeitpunkt	5	5	5	5	5	--	6	--	--	--	--	--	J.
Selbstverlöschen der Flammen ¹⁾	15	15	15	15	15	--	15	--	--	--	--	--	J.
Ende des Glimmens ¹⁾	15	15	15	15	15	--	J.	--	--	--	--	--	s
Flammen wurden gelöscht nach ¹⁾	J.	J.	J.	J.	J.	--	J.	--	--	--	--	--	s
Rauchentwicklung (visuell)	gering						gering						
Brennendes Abtropfen innerhalb 20 s ¹⁾	J.	J.	J.	J.	J.	--	J.	--	--	--	--	--	s
Das Material ist ausgebrannt/zerstört bis max. B 2cm H 5cm.													

PN 39624: Zusatzprüfungen	Kantenbeflammung						Flächenbeflammung						g
Proben Nr.	1	2	3	4	5	6	1	2	3	4	5	6	
Probenanordnung (Seite / Richtung)	A/L	B/L	B/Q	--	--	--	A/L	B/L	B/Q	--	--	--	
Entzündung ¹⁾	1	1	1	--	--	--	3	3	3	--	--	--	J.
Erreichen d. Messmarke ¹⁾²⁾	J.	J.	J.	--	--	--	J.	J.	J.	--	--	--	s
max. Flammenhöhe	3	3	3	--	--	--	3	3	3	--	--	--	cm
Zeitpunkt	5	5	5	--	--	--	6	6	6	--	--	--	J.
Selbstverlöschen der Flammen ¹⁾	15	15	15	--	--	--	15	15	15	--	--	--	J.
Ende des Glimmens ¹⁾	15	15	15	--	--	--	J.	J.	J.	--	--	--	s
Flammen wurden gelöscht nach ¹⁾	J.	J.	J.	--	--	--	J.	J.	J.	--	--	--	s
Rauchentwicklung (visuell)	gering						gering						
Brennendes Abtropfen innerhalb 20 s ¹⁾	J.	J.	J.	--	--	--	J.	J.	J.	--	--	--	s
Das Material ist ausgebrannt/zerstört bis max. B 2cm H 5cm.													

¹⁾Zeitangaben ab Versuchsbeginn

²⁾ innerhalb 20 Sekunden

-- kein Auftreten des Ereignisses

-- keine Angabe L: längs / Q: quer

6. **Bemerkungen und Erläuterungen zur Versuchsdurchführung** -keine-
7. **Beurteilung bezüglich brennenden Abtropfens/Abfallens** -
Das geprüfte Produkt zeigt kein brennendes Abtropfen / Abfallen.

PN-04-FB02 Rev02

Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: EN13501-1

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Institut pro testování a certifikaci, a.s.
Divize CSI - Centrum stavebního inženýrství

Fire Technical Laboratory

**AUTHORIZED
BODY**

**NOTIFIED
BODY**

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH ČSN EN 13501-1:2019

Applicant:

Prepared by: Institut pro testování a certifikaci, a.s.
Divize CSI - Centrum stavebního
inženýrství
Pražská 16, 102 00 Praha 10
Czech Republic

Product name: *Article no. 9719, PRO Molton*

**Classification
report No.:** PK-25-005


Issue number: 1/2

Date of issue: 23rd January 2025

This classification report consists of 4 pages and may only
be used or reproduced in its entirety.


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Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: EN13501-1

1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The product, *Article no. 9719, PRO Molton*, is defined as a type of fabric without a closer end-use specification.

Description:

The product *Article no. 9719, PRO Molton* is fully described in the test reports in support of the classification listed in clause 2.

2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

Test reports

Name of laboratory	Name of sponsor	Test report ref. no.	Test method
ITC, a.s., Divize CSI, AZL 1007.4		24/P729	ČSN EN ISO 11925-2
		24/P730	ČSN EN 13823

Measured values and test results:

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
ČSN EN ISO 11925-2 ⁽¹⁾ exposition = 30 s surface flame attack	$F_s \leq 150$ mm ignition of filter paper	18	yes	yes (B - D)
		18	no	yes (d2)
ČSN EN ISO 11925-2 ⁽¹⁾ exposition = 30 s edge flame attack	$F_s \leq 150$ mm ignition of filter paper	18	yes	yes (B - D)
		18	no	yes (d2)
ČSN EN 13823 ⁽³⁾	FIGRA _{0,2 MJ} (W/s)	3	0	≤ 120 (B)
	LFS < edge	3	yes	yes (B,C)
	THR _{600 s} (MJ)	3	09	≤ 7,5 (B)
	SMOGR _A (m ² /s ²)	3	0	≤ 30 (s1)
	TSP _{600 s} (m ²)	3	11,9	≤ 50 (s1)
	flaming droplets / particles	3	no	no (d0)

3. CLASSIFICATION AND DIRECT FIELD OF APPLICATION

Reference and direct field of application

This classification has been carried out in accordance with the clause 11.6, 11.9.2 and 11.10.1 of ČSN EN 13501-1:2019.

Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: EN13501-1

REACTION TO FIRE CLASSIFICATION REPORT No. PK-25-005

Page 3

Classification

The product *Article no. 9719, PRO Molton*, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets/particles is:

d0

The format of the reaction to fire classification for *Article no. 9719, PRO Molton* is:

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	1	,	d	0

Reaction to fire classification: B-s1, d0

Field of application:

This classification is also valid for the following product parameters:

- colour: without limitation

This classification is valid for the following end use conditions:

- without substrate

Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: EN13501-1

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REACTION TO FIRE CLASSIFICATION REPORT No. PK-25-005

Page 4

4. LIMITATIONS

Restrictions

This classification report is valid, provided that the technical specifications of the product will not be changed.

Warning

This document does not represent type approval or certification of the product.

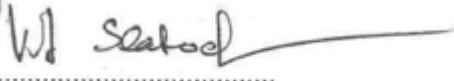
Prepared:



Jiří Socha





Reviewed:




Vít Slaboch
head of laboratory


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Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: EN13773

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**TOTAL
TESTING SERVICE**



Client :

Address :

Client N°	Client Contact	Our Reference	Reception Date	Issue Date
234104	Angelika Noppeney	CT2500517.01	21-02-2025	10-03-2025

Test Report N° **2503175.01**

Sample information

Client Reference
Trade name: 9719 PRO Molton
Material composition: *66% cotton and 34% viscose
Weight g/m²: approx. 320 ± 10
Color: black (spun-dyed)
Fabric finishing: napped on both sides, not permanent flame-retardant finishing

SPECIMEN



Results relate only to the samples as received by the laboratory.
All tests of this report are performed in the internal laboratories of TTS Tunisia.
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The accreditation applies for the methods marked (A) in the report.




Page 1 of 4

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Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: EN13773

Summary Table of Results

Test	Description	Results	Unit	Requirements	Decision
NF EN 13773 ^A	Textiles and textile products - Burning behaviour - Curtains and drapes - Classification	See details	-	See details	Class 1

SPECIMEN



Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: EN13773



Report N° 2503175.01

Date : 10/03/2025

Textiles and textile products - Burning behaviour - Curtains and drapes - Classification

Test standard NF EN 13773 : 2003

Results

Specimen N°	Flame application time (s)	Result
1	1	No ignition
2	2	No ignition
3	3	No ignition
4	4	No ignition
5	5	No ignition
6	10	No ignition

Specimen N°	Flame application time (s)	Result
7	15	No ignition
8	20	No ignition
9	20	No ignition
10	20	No ignition
11	20	No ignition
12	20	No ignition

Ignitability test according to NF EN 1101 : 1996 + A1 : 2005	No ignition
--	-------------

Specimen N°	Length direction			
	1	2	3	4
Face exposed to the radiator	Front	Back	Back	Back
1st thread reached (Yes/No)	No	No	No	No
T1: Time from the beginning of the flame application to the breaking of the first thread (s)	-	-	-	-
3rd thread reached (Yes/No)	No	No	No	No
T3: Time from the beginning of the flame application to the breaking of the 3rd thread (s)	-	-	-	-
Debris that ignited the filter paper	No	No	No	No
Destroyed length from the original edge (mm)	155	158	160	155

Specimen N°	Width direction			
	1	2	3	4
Face exposed to the radiator	Front	Back	Back	Back
1st thread reached (Yes/No)	No	No	No	No
T1: Time from the beginning of the flame application to the breaking of the first thread (s)	-	-	-	-
3rd thread reached (Yes/No)	No	No	No	No
T3: Time from the beginning of the flame application to the breaking of the 3rd thread (s)	-	-	-	-
Debris that ignited the filter paper	No	No	No	No
Destroyed length from the original edge (mm)	120	122	125	125

Flame spread test result according to EN 13772 : 2011	No breaking of the 1st marker thread
	No breaking of the 3rd marker thread
	Absence of flaming debris



Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: EN13773



Report N° 2503175.01

Date : 10/03/2025

Classification criteria according to EN 13773

Class	Ignitability	Flame spread
1	No ignition according to EN 1101	No breaking of the 1st marking thread, no ignited debris, according to EN 13772
2	No ignition according to EN 1102	No breaking of the 3rd marking thread, no ignited debris, according to EN 13772
3	No ignition according to EN 1103	Breaking of the 3rd marking thread, and/or ignited debris according to EN 13772
4	Ignition according to EN 1101	No breaking of the 3rd marking thread, no ignited debris, according to EN 1102
5	Ignition according to EN 1101	Breaking of the 3rd marking thread, and/or burning debris, according to EN 1102

Classification	Class 1
----------------	---------

Test specifications

Test date	28/02/2025
Tested sample	Black double-sided fleece fabric
Pretreatment	Test performed as new
Conditioning	24h at a temperature of (20±2) °C and a relative humidity of (65±5) %.
Test conditions	Test carried out at a temperature of 21,5°C and a humidity of 49%
Comments	Nothing to report

Notes :

- This version cancels and replaces the previous version 2503175
- The subject of this amendment is the correction of the sample's composition according to the customer's request
- Change made to this version is identified by the symbol "**".



End of Report

Operations Manager
Ilef Limem

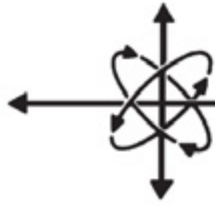


Fire Test Certificate - Specimen

Fabric: Premium Molton 4.0

Type: NFPA 701

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WORLDWIDE SERVICE

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BURLINGTON, NORTH CAROLINA 27215
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www.diversifiedtestinglabs.com

"We Test Per Your Request"

February 21, 2023

Reference: Laboratory Test Report
Lab Identification No. 53900
Invoice No. 85178

Dear Ms. Both:

One (1) fabric sample, identified as **Article 9719 FR DF Cotton/Viscose PRO Commando**, was received and tested in accordance with the National Fire Protection Association No. 701, "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2023 Edition, (Test 1)". The results are as follows:

<u>Test Results</u>		
<u>Specimen Number</u>	<u>Residual Flame (seconds)</u>	<u>Weight Loss (percent)</u>
1	0.0	13.21
2	0.0	13.25
3	0.0	14.17
4	0.0	12.41
5	0.0	13.23
6	0.0	13.50
7	0.0	11.65
8	0.0	9.79
9	0.0	13.39
<u>10</u>	<u>0.0</u>	<u>13.09</u>
AVG	0.0	12.77

The sample submitted **meets** the minimum requirements of the above standard. The average percent weight loss cannot exceed 40% and the weight loss of individual specimens cannot exceed mean value plus three standard deviations. The average residual flame cannot exceed 2.0 seconds.

Sincerely,


Brian S. Dement

BSD/mr




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