managing technologies

TEST REPORT
IN-02247/2022-1

INDETEX NV
Rue du Mont-Gallois, 58
B-7700 – Mouscron
Belgium

Date of issue: November 03rd, 2022

LEITAT
Acondicionamiento Tarrasense
Tel. (+34) 93 788 23 00
Fax. (+34) 93 789 19 06

www.leitat.org
leitat@leitat.org

C/ De la Innovació, 2
08225 Terrassa (Barcelona)

ENAC
ENSAYO
ISO 17025
Nº18 / LE026

The activities marked with (*) are not included in the ENAC accreditation.

Acondicionamiento Tarrasense
C/ de la Innovació, 2 - 08225 Terrassa (Barcelona)
Tel. +34 93 788 23 00 – Fax +34 93 789 19 06
leitat@leitat.org - http://www.leitat.org

LEITAT
managing technologies

TEST REPORT

Report number:	IN-02247/2022-1
Total pages:	16

SAMPLE RECEIVED

Information provided by the applicant:

Description: Sheer curtain fabric
Reference: ADRIA

Internal description and identification:

Description: Fabric
Reference: M–02247/22

Date of entry:	September 09th, 2022

REQUESTED TESTS

- TEXTILES. DOMESTIC WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING
  EN ISO 6330:2012

- TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. COURTAINS AND DRAPES. DETAILED PROCEDURE TO DETERMINE THE IGNIABILITY OF VERTICALLY ORIENTED SPECIMENS (SMALL FLAME)
  EN 1101:1995/A1:2005

- TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. MEASUREMENT OF FLAME SPREAD OF VERTICALLY ORIENTED SPECIMENS WITH LARGE IGNITION SOURCE
  EN 13772:2011

- TEXTILES AND TEXTILE PRODUCTS. FIRE BEHAVIOUR. CURTAINS AND DRAPERIES. CLASSIFICATION SCHEME
  EN 13773:2003

Acondicionamiento Tarrasense
C/ de la Innovació, 2 - 08225 Terrassa (Barcelona)
Tel. +34 93 788 23 00 – Fax +34 93 789 19 06
leitat@leitat.org - http://www.leitat.org

LEITAT
managing technologies

ENAC
ENSAYO
ISO 17025
Nº18 / LE026

TEXTILES. DOMESTIC WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING

Test standard:	EN ISO 6330:2012
According to:	Not applicable
Date of completion:	September 19th - October 24th, 2022

Test equipment:

Washing machine, WASCATOR FOM 71 MP-Lab, no. EQ516

Balance, SARTORIUS, no. EQ116

Test conditions:

Conditioning of the specimens: Not required

Internal identification of specimens: M-02247/22

Washing procedure:

- Procedure: 3N
- Temperature: 30ºC
- Washing powder: Without phosphates ECE-98
- Total mass of the specimens: 625,4 g (1 cycle); 347,6 g (11 cycles)
- Type of load: Panels composed of four thicknesses of 100% textured polyester knitted fabric, with a mass per unit area of (310 ± 20) g/m^2, and dimensions of (20 ± 4) cm x (20 ± 4) cm
- Total counterweight mass: 1373,0 g (1 cycle), 1659,7 g (11 cycles)
  Total load: (2 ± 0,1) kg

Drying procedure: A (Air drying) (each cycle)

Number of cycles of washing and drying procedure: 1 and 12

Acondicionamiento Tarrasense
C/ de la Innovació, 2 - 08225 Terrassa (Barcelona)
Tel. +34 93 788 23 00 – Fax +34 93 789 19 06
leitat@leitat.org - http://www.leitat.org

LEITAT
managing technologies

ENAC
ENSAYO
ISO 17025
Nº18 / LE026

TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. COURTAINS AND DRAPES. DETAILED PROCEDURE TO DETERMINE THE IGNIABILITY OF VERTICALLY ORIENTED SPECIMENS (SMALL FLAME)

Test standard:	EN 1101:1995/A1:2005
According to:	Not applicable
Date of completion:	November 02nd, 2022

Test equipment:

Vertical flammability test equipment, JBA, no. EQ299

Chronometer, VENTIX, no. EQ1389

Anemometer, TESTO, no. PA075

Test conditions:

Conditioning of specimens: ≥ 24 hours at 20ºC ± 2ºC and 65% RH ± 5% RH

Test atmosphere: 21,6ºC / 62,6% RH

Internal identification of specimens: M-02247/22

Type of test: According to the applicant's request

- After washing: EN ISO 6330:2012, 1 cycle, 30°C, drying procedure – A (after conditioning)

Number of specimens (according to UNE-EN ISO 6940:2004): 24 (12 lengthwise, 12 widthwise)

Dimensions of the specimens: 200 mm ± 2 mm x 80 mm ± 2 mm

Anisotropic material: No

Flame height: 40 mm ± 2 mm

Test equipment setting (according to UNE-EN ISO 6940:2004): Procedure B – Ignition from the bottom edge (burner tilted 30º)

Air speed: < 0,2 m/s

Tested area: Bottom edge

Type of gas: Propane, commercial grade

Acondicionamiento Tarrasense
C/ de la Innovació, 2 - 08225 Terrassa (Barcelona)
Tel. +34 93 788 23 00 – Fax +34 93 789 19 06
leitat@leitat.org - http://www.leitat.org

Results:

Preliminary test, according to EN 1101:1996/A1:2005, section 7			
Lengthwise / Warp		Widthwise / Weft	
Flame application time (s)	Results	Flame application time (s)	Results
1	O	1	O
2	O	2	O
3	O	3	O
4	O	4	O
5	O	5	O
10	O	10	O
15	O	15	O
20	O	20	O

X: Ignition / O: Non-ignition

Test according to EN ISO 6940:2004, section 11				
Specimen no.	Lengthwise / Warp		Widthwise / Weft	
	Flame application time (s)	Results	Flame application time (s)	Results
#1	20	O	20	O
#2	20	O	20	O
#3	20	O	20	O
#4	20	O	20	O
#5	20	O	20	O

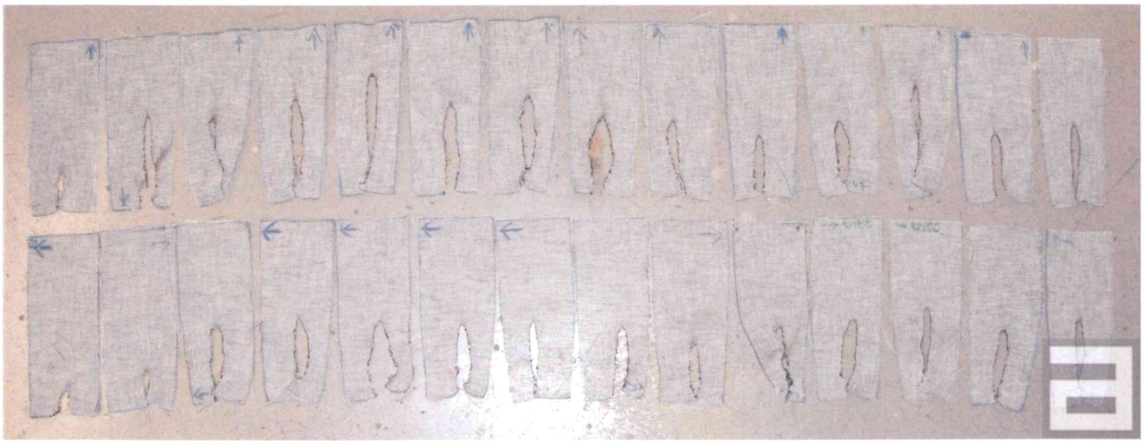
X: Ignition / O: Non-ignition

Mean ignition time, according to EN ISO 6940 - Annex B.2				
Flame application time (s)	Lengthwise / Warp		Widthwise / Weft	
	Number of ignition cases	Number of cases of non-ignition	Number of ignition cases	Number of cases of non-ignition
1	0	1	0	1
2	0	1	0	1
3	0	1	0	1
4	0	1	0	1
5	0	1	0	1
10	0	1	0	1
15	0	1	0	1
20	0	5	0	5
Comments	---		----	

Acondicionamiento Tarrasense
C/ de la Innovació, 2 - 08225 Terrassa (Barcelona)
Tel. +34 93 788 23 00 – Fax +34 93 789 19 06
leitat@leitat.org - http://www.leitat.org

	Lengthwise / Warp	Widthwise / Weft
Mean ignition time (s)	≥ 20	≥ 20
Minimum ignition time (s)	≥ 20	
Ignition of the specimen within 20 s	No	No

Picture after testing:



Acondicionamiento Tarrasense
C/ de la Innovació, 2 - 08225 Terrassa (Barcelona)
Tel. +34 93 788 23 00 – Fax +34 93 789 19 06
leitat@leitat.org - http://www.leitat.org

LEITAT managing technologies

ENAC ENSAYO ISO 17025 Nº18 / LE026

TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. MEASUREMENT OF FLAME SPREAD OF VERTICALLY ORIENTED SPECIMENS WITH LARGE IGNITION SOURCE

Test standard:	EN 13772:2011
According to:	Not applicable
Date of completion:	November 02nd, 2022

Test equipment:

Vertical flammability test equipment, JBA, no. EQ299

Chronometer, VENTIX, no. EQ1389

Anemometer, TESTO, no. EQ3425

Milimeter ruler, no. EQ285

Test conditions:

Conditioning of specimens: ≥ 24 hours at (20 ± 2)ºC and (65 ± 5)% RH

Test atmosphere: 21,6ºC / 61,5% RH

Internal identification of specimens: M-01621/22

Type of test: According to the applicant's request
- In-as received conditions (after conditioning)
- After washing: EN ISO 6330:2012, 12 cycles, 30°C, drying procedure – A (after conditioning)

Sampling (according to EN 13772:2011):
- Number of specimens: 8 (4 lengthwise, 4 widthwise)
- Dimensions of the specimens: 560 mm ± 2 mm x 170 mm ± 2 mm

Material with different sides: No

Reference material used:
- Standard cotton fabric (internal ref.MR006)
- Standard cotton marker thread (internal ref.MR007)
- Standard paper filter (internal ref.MR008)

Temperature increase ratio between 40ºC and 100ºC: (3,0 ± 1)ºC/s

Flame height: 40 mm ± 2 mm

Air speed: < 0,2 m/s

Tested area: Bottom edge

Type of gas: Propane, commercial grade

Acondicionamiento Tarrasense
C/ de la Innovació, 2 - 08225 Terrassa (Barcelona)
Tel. +34 93 788 23 00 – Fax +34 93 789 19 06
leitat@leitat.org - http://www.leitat.org

Results:

	In as-received conditions							
	Lengthwise / Warp				Widthwise / Weft			
Specimen no.	#1	#2	#3	#4	#1	#2	#3	#4
1st marking thread breaking	No	No	No	No	No	No	No	No
2nd marking thread breaking	No	No	No	No	No	No	No	No
3rd marking thread breaking	No	No	No	No	No	No	No	No
Specimen burns and extinguishes before the 1st marking thread	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Time elapsed from flame application to break 3rd marking thread (s)	---	---	---	---	---	---	---	---
Uncertainty (s)	---				---			
Length of the damaged area (mm)	151	194	152	152	174	124	126	156
Uncertainty (mm)	± 34				± 39			
Ignited dripping or residues burn the filter paper	No	No	No	No	No	No	No	No

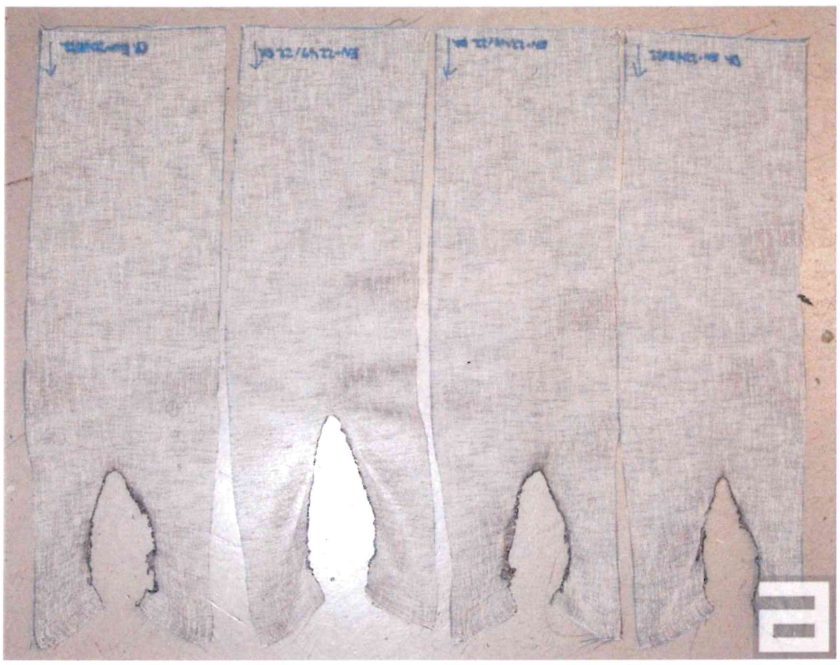
Acondicionamiento Tarrasense
C/ de la Innovació, 2 - 08225 Terrassa (Barcelona)
Tel. +34 93 788 23 00 – Fax +34 93 789 19 06
leitat@leitat.org - http://www.leitat.org

LEITAT
managing technologies

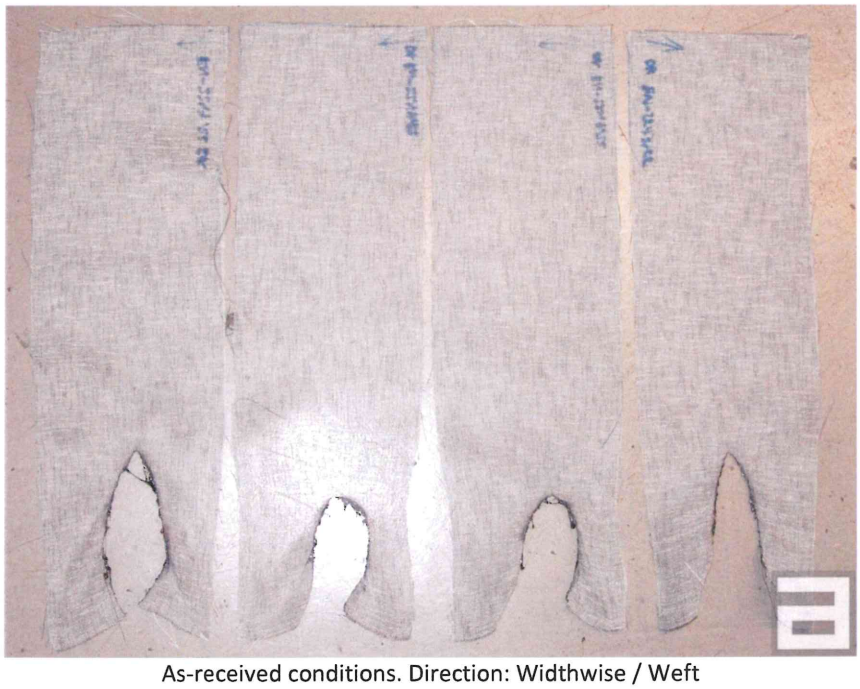
	After washing							
	Lengthwise / Warp				Widthwise / Weft			
Specimen no.	#1	#2	#3	#4	#1	#2	#3	#4
1st marking thread breaking	No	No	No	No	No	No	No	No
2nd marking thread breaking	No	No	No	No	No	No	No	No
3rd marking thread breaking	No	No	No	No	No	No	No	No
Specimen burns and extinguishes before the 1st marking thread	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Time elapsed from flame application to break 3rd marking thread (s)	---	---	---	---	---	---	---	---
Uncertainty (s)	---				---			
Length of the damaged area (mm)	128	126	130	180	144	134	168	122
Uncertainty (mm)	± 42				± 31			
Ignited dripping or residues burn the filter paper	No	No	No	No	No	No	No	No

Acondicionamiento Tarrasense
C/ de la Innovació, 2 - 08225 Terrassa (Barcelona)
Tel. +34 93 788 23 00 – Fax +34 93 789 19 06
leitat@leitat.org - http://www.leitat.org

Pictures after testing:

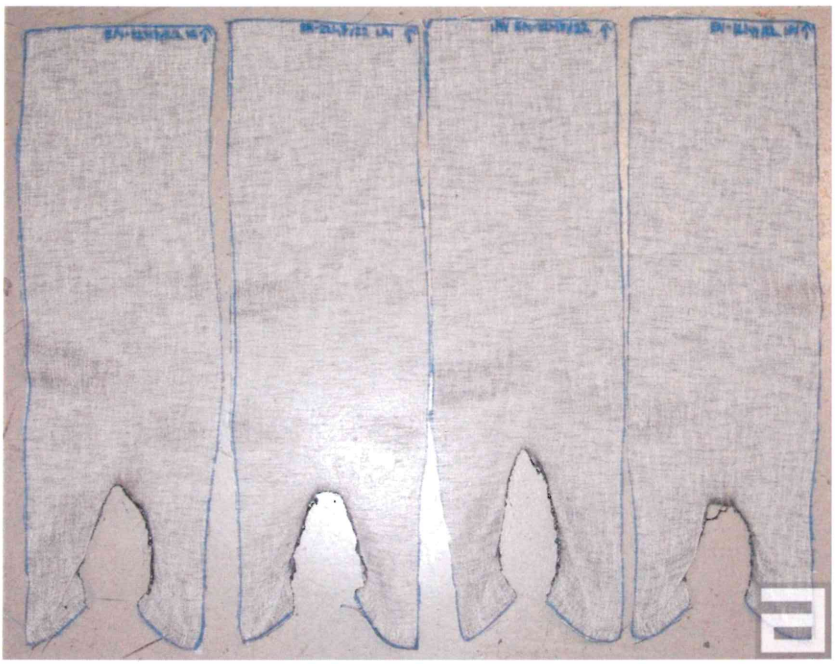


As-received conditions. Direction: Lengthwise / Warp

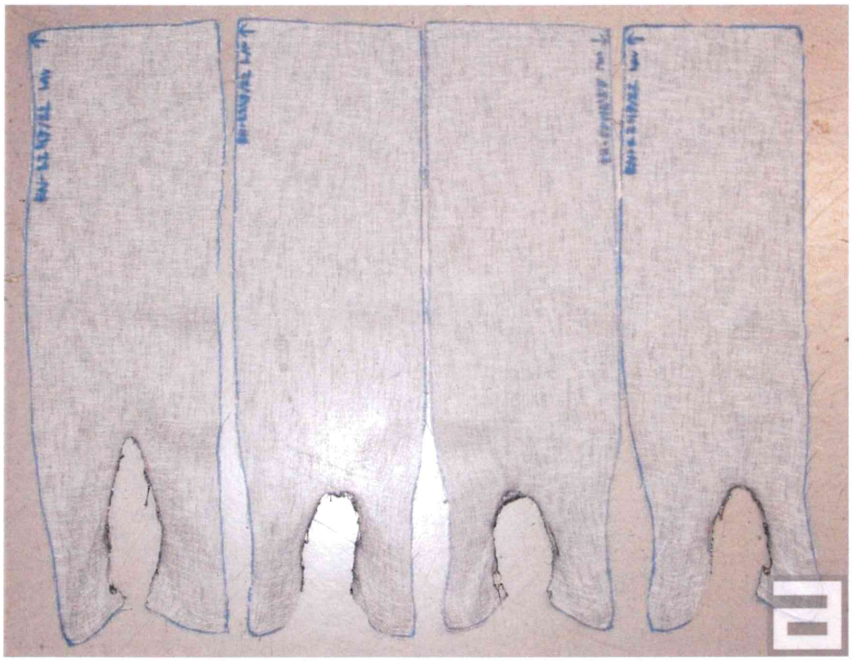


As-received conditions. Direction: Widthwise / Weft

Acondicionamiento Tarrasense
C/ de la Innovació, 2 - 08225 Terrassa (Barcelona)
Tel. +34 93 788 23 00 – Fax +34 93 789 19 06
leitat@leitat.org - http://www.leitat.org



After washing. Direction: Lengthwise / Warp



After washing. Direction: Widthwise / Weft

Acondicionamiento Tarrasense
C/ de la Innovació, 2 - 08225 Terrassa (Barcelona)
Tel. +34 93 788 23 00 – Fax +34 93 789 19 06
leitat@leitat.org - http://www.leitat.org

LEITAT
managing technologies

ENAC
ENSAYO
ISO 17025
Nº18 / LE026

TEXTILES AND TEXTILE PRODUCTS. FIRE BEHAVIOUR. CURTAINS AND DRAPERIES. CLASSIFICATION SCHEME

Test standard:	EN 13773:2003
According to:	Not applicable
Date of completion:	September 19th - November 02nd, 2022

Classification criteria, according to EN 13773:2003, section 5, table 1

Class	Flammability	Flame spread
1	Non-ignition according to standard EN 1101:1995/A1:2005	First marking thread unaffected, without traces of flame action, according to the standard EN 13772:2011
2	Non-ignition according to standard EN 1101:1995/A1:2005	Third marking thread unaffected, without traces of flame action, according to the standard EN 13772:2011
3	Non-ignition according to standard EN 1101:1995/A1:2005	Third marking thread affected, and/or traces of flame action, according to standard EN 13772:2011
4	Ignition according to standard EN 1101:1995/A1:2005	Unaffected third marking thread without traces of flame action, according to standard EN 1102:2016
5	Ignition according to standard EN 1101:1995/A1:2005	Affected third marking thread and/or traces of flame action, according to standard EN 1102:1996

CLASSIFICATION	**CLASS 1**

Acondicionamiento Tarrasense
C/ de la Innovació, 2 - 08225 Terrassa (Barcelona)
Tel. +34 93 788 23 00 – Fax +34 93 789 19 06
leitat@leitat.org - http://www.leitat.org

SIGNATURE OF AUTHORISED PERSONNEL

Firmado digitalmente por 46237530D ALBERT BRIZ (C:G08360232)
Nombre de reconocimiento (DN): cn=46237530D ALBERT BRIZ (C:G08360232), givenName=ALBERT, sn=BRIZ AGUILAR, serialNumber=IDCES-46237530D, title=RESPONSABLE, 2.5.4.97=VATES-G08360232, ou=TÉCNICO STA- ÁREA MATERIALES, o=ACONDICIONAMIENTO TARRASENSE, c=ES
Fecha: 2022.11.03 15:07:37 +01'00'
Versión de Adobe Acrobat Reader: 2022.003.20263

Advanced Technology Services
Technical Manager - Materials Area

Albert Briz

Firmado digitalmente por 52397104E JORGE JAMILENA (C:G08360232)
Nombre de reconocimiento (DN): cn=52397104E JORGE JAMILENA (C:G08360232), givenName=JORGE, sn=JAMILENA CARRASCO, serialNumber=IDCES-52397104E, 2.5.4.97=VATES-G08360232, ou=STA, o=ACONDICIONAMIENTO TARRASENSE, c=ES
Fecha: 2022.11.03 15:55:34 +01'00'

Advanced Technology Services
Head of Department

Jordi Jamilena

Acondicionamiento Tarrasense
C/ de la Innovació, 2 - 08225 Terrassa (Barcelona)
Tel. +34 93 788 23 00 – Fax +34 93 789 19 06
leitat@leitat.org - http://www.leitat.org

ANNEX - LIABILITY CLAUSES

a. This Laboratory is in no way responsible for the information included in the report that has been provided by the applicant.
b. This document only attests to the results obtained from the samples submitted by the applicant for testing or analysis in this Laboratory, following the methods and conditions expressed in the report itself, and limiting the professional and legal liability of the Laboratory to these facts.
c. For reports issued in digital format, the printout of such file shall be considered a copy. Only if specifically requested by the client, the Laboratory may provide an authenticated copy, by handwritten or notarised electronic signature. Reports issued in paper format, with handwritten signatures, shall be considered originals. Similarly, authenticated copies can only be provided by the Laboratory at the express request of the client.
d. Unless expressly indicated, the samples received have been freely chosen and sent by the applicant.
e. Test samples shall be stored at LEITAT for one month from the date of issuance of the report, unless legal and/or regulatory specifications indicate a different period, or unless express instructions are received from the applicant indicating otherwise.
f. All claims on tested samples must be made within the storage period of the tested samples and the Laboratory shall not be held responsible if the applicant fails to do so.
g. CONFIDENTIAL DOCUMENT: According to the terms agreed in the contractual document. The contents of this report may not be reproduced in whole or in part, modified, or used for publicity purposes without the written approval of LEITAT.
h. This Laboratory shall not be liable in any way for the interpretation and/or misuse of this document.
i. When the Laboratory issues a conformity statement with specification or accredited standard according to ISO/IEC 17025, the decision rule taken does not consider the test uncertainty. It is based on simple acceptance with false acceptance or rejection risk for the results within the tolerance limits up to 50%, except for those cases in which the customer, the rules or the regulatory documents prescribe a different decision rule.
j. When the Laboratory issues a results classification with accredited standard according to ISO/IEC 17025 does not consider the test uncertainty, except when is required by standard.
k. The uncertainties stated in the report correspond to the expanded uncertainty, obtained by multiplying the standard measurement uncertainty by the coverage factor k = 2 for a normal distribution, with a coverage probability of approximately 95 %. Where these are not stated, the uncertainties associated with the test results are available to the customer on request.

Acondicionamiento Tarrasense
C/ de la Innovació, 2 - 08225 Terrassa (Barcelona)
Tel. +34 93 788 23 00 – Fax +34 93 789 19 06
leitat@leitat.org - http://www.leitat.org

LEITAT
managing technologies

ANNEX – SUMMARY

TEXTILES AND TEXTILE PRODUCTS. FIRE BEHAVIOUR. CURTAINS AND DRAPERIES. CLASSIFICATION SCHEME

The material intended to be used in/as hanging textile elements, such as curtains, drapes, etc., referenced as:

ADRIA

Submitted by:

INDETEX NV
Rue du Mont-Gallois, 58
B-7700 – Mouscron
Belgium

It has been tested at LEITAT–Technological Center (report **IN-02247/2022-1**) according to **EN 1101:1995/A1:2005** and **EN 13772:2011**.

The classification according to the requirements of the standard **EN-13773:2003** is:

CLASS 1

Terrassa, November 03rd, 2022

Albert Briz
Technical Manager – Materials Area

LEITAT
managing technologies

LEITAT
Acondicionamiento Tarrasense
Tel. +34 93 788 23 00
www.leitat.org
info@leitat.org

@Leitat
@leitat-technological-center

Terrassa
C/ de la Innovació, 2
08225 Terrassa (Barcelona)

Barcelona 22@
C/ de Pallars, 179 – 185
08005 Barcelona

Parc Científic de Barcelona
C/ de Baldiri Reixach, 15
08028 Barcelona

Vall d'Hebron Institut de Recerca
Edificio Mediterránea. Hospital Vall d'Hebron
Passeig de la Vall d'Hebron, 119 – 129
08035 Barcelona

Vilanova del Camí
Centre d'Innovació Anoia
C/ dels Impressors, 12
08788 Vilanova del Camí (Barcelona)

Biopolo La Fe
Hospital La Fe, Torre A, Planta Baja
Avda. Fernando Abril Martorell, 106
46026 Valencia

See our Certifications and Accreditations on our corporate website - www.leitat.org