

LEITAT

managing technologies

CLASSIFICATION, ACCORDING TO THEIR FIRE REACTION PROPERTIES, OF
TEXTILE SUSPENDED ELEMENTS

TECHNICAL BUILDING CODE
Basic Document - Safety in case of fire (DB-SI)

LEITAT – Technological Center

CERTIFIES

that the material intended for use as a suspended textile element
referenced as

PEARL - LIDO

presented by

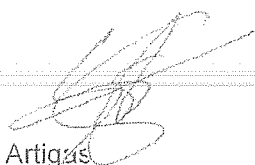
INDETEX N.V.
Rue du Mont Gallois, 58
7700 - Mouscron
BELGIUM

and according to the classification technical report number **IN-00193/2019-C-E**
of this laboratory, carried out according to the standards
UNE-EN 1101:1996/A1:2005 and **UNE-EN 13772:2011**

COMPLIES

with the requirements of the standard **UNE-EN 13773:2003**, obtaining a
classification:

CLASS 1



Sergi Artigas
Corporation Development Manager

Terrassa, February 12th, 2019.

(Certificate valid until February 12th, 2024)



Josep Mª Pallares
Certification Supervisor

Nombre de reconocimiento
(DN): c=ES, cn=Jose Mª Pallares
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1.3.6.1.4.1.17326.30.3=C08360
232, o=ACONDICIONAMIENTO
TARRASENSE, ou=EPIS-
CERTIFICACIONES,
title=SUPERVISOR EPIS,
1.3.6.1.4.1.17326.30.3=Qualified Certificate:
CAM-PF-SW-KPSC
Fecha: 2019.02.12 18:19:10
+01'00'



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| CLASSIFICATION TECHNICAL REPORT FOR CONSTRUCTION PRODUCTS | |
|---|-------------------------|
| Report No.: IN-00193/2019-C-E | |
| Applicant company: | INDETEX N.V. |
| Address: | RUE DU MONT GALLOIS, 58 |
| ZC – Location: | 7700 - MOUSCRON |
| Province: | --- |
| Country: | BELGIUM |

DESCRIPTION OF THE PRESENTED MATERIAL

According to the information provided by the applicant: **Dimout curtain**

| | |
|---|--|
| Reference or trade name of the product: | PEARL-LIDO |
| End use of the product: | Curtains |
| Composition: | 100% FR Polyester |
| Weight : | 300 g/m² |
| Thickness: | Information not provided by the applicant |
| Colour: | Information not provided by the applicant |

TECHNICAL DOCUMENTATION PRESENTED

Technical report **IN-00193/2019-E**, issued by LEITAT on **February 12th, 2019**, which includes the following tests:

- **TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. DETAILED PROCEDURE TO DETERMINE THE IGNITABILITY OF VERTICALLY ORIENTED SPECIMENS (SMALL FLAME).**
Standard: UNE-EN 1101:1996/A1:2005
- **TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. MEASUREMENT OF FLAME SPREAD OF VERTICALLY ORIENTED SPECIMENS WITH LARGE IGNITION SOURCE.**
Standard: UNE-EN 13772:2011

INDETEX N.V.
RUE DU MONT GALLOIS, 58
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BELGIUM

TECHNICAL REPORT

Report No.: IN-00193/2019-E
Total pages: 9

PRESENTED SAMPLE

Sample description:

According to the information provided by the applicant:

General description of the product: Dimout curtain; Trade mark or commercial reference: PEARL- LIDO; Composition: 100% FR Polyester; Grammage: 300 g/m²; End use of the product: Curtains

Presentation date: 21/01/2019

REQUESTED TESTS

- **TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. DETAILED PROCEDURE TO DETERMINE THE IGNIABILITY OF VERTICALLY ORIENTED SPECIMENS (SMALL FLAME).**
Standard: UNE-EN 1101:1996/A1:2005
- **TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. MEASUREMENT OF FLAME SPREAD OF VERTICALLY ORIENTED SPECIMENS WITH LARGE IGNITION SOURCE.**
Standard: UNE-EN 13772:2011

Performance dates: From 21/01/2019 to 12/02/2019

Materials Unit Coordinator
Jordi Jamilena

Materials Unit Technical Manager
Albert Briz

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o=ACONDICIONAMIENTO TARRASENSE,
ou=STA, title=RESPONSABLE TECNICO
MATERIALES, 2.5.4.13=Qualified Certificate:
CAM-PF-SW-KPSC
Fecha: 2019.02.12 18:03:16 +01'00'

Terrassa, February 12th, 2019.

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

Standard: UNE-EN 1101:1996/A1:2005

Scope: This standard specifies a method for measuring the ignitability of vertically oriented textile fabrics, and of industrial products in the form of single or multi-composite fabrics (coated, padded, multi-layer, sandwich constructions and similar combinations), when subjected to a small and defined flame.

Test equipment: Vertical flammability test equipment, JBA, no.EQ299
 Chronometer, IHM, no.EQ2140
 Anemometer, TESTO, no.PA075

Conditioning of the specimens: >24 hours at 20°C ± 2°C and 65% r.h. ± 5% r.h.

Test conditons:

| |
|--|
| Test specimens: According to the information provided by the applicant <ul style="list-style-type: none"> • <i>General description of the product: Dimout curtain; Trade mark or commercial reference: PEARL- LIDO; Composition: 100% FR Polyester; Grammage: 300 g/m²; End use of the product: Curtains</i> |
| Sampling (according to UNE-EN ISO 6940:2004): <ul style="list-style-type: none"> • Number of specimens: 12 per direction • Dimensions of the specimens: 200 mm ± 2 mm x 80 mm ± 2 mm |
| Cleaning pre-treatment: 1 domestic washing (UNE-EN ISO 6330:2012) at 30°C, according to the applicant's request + Drying: Method C (UNE-EN ISO 6330:2012) |
| Test atmosphere: 23°C / 31% r.h. |
| Test equipment setting (according to UNE-EN ISO 6940:2004): Procedure B - Ignition from the bottom edge (burner inclined 30°); Flame height: 40 mm ± 2 mm |
| Air speed: < 0,2 m/s |
| Tested side: Outer side |
| Type of gas: Propane, commercial grade |
| Date of performance: February 06 th – 12 th , 2019 |

Results:

| Previous test | Lengthwise / Warp | | Widthwise / Weft | |
|---------------|----------------------------|--------|----------------------------|--------|
| | Flame application time (s) | Result | Flame application time (s) | Result |
| | 20 | 0 | 20 | 0 |

| Specimen no. | Lengthwise / Warp | | Widthwise / Weft | |
|--------------|----------------------------|--------|----------------------------|--------|
| | Flame application time (s) | Result | Flame application time (s) | Result |
| 1 | 20 | 0 | 20 | 0 |
| 2 | 20 | 0 | 20 | 0 |
| 3 | 20 | 0 | 20 | 0 |
| 4 | 20 | 0 | 20 | 0 |
| 5 | 20 | 0 | 20 | 0 |

X: Ignition / O: Not ignition

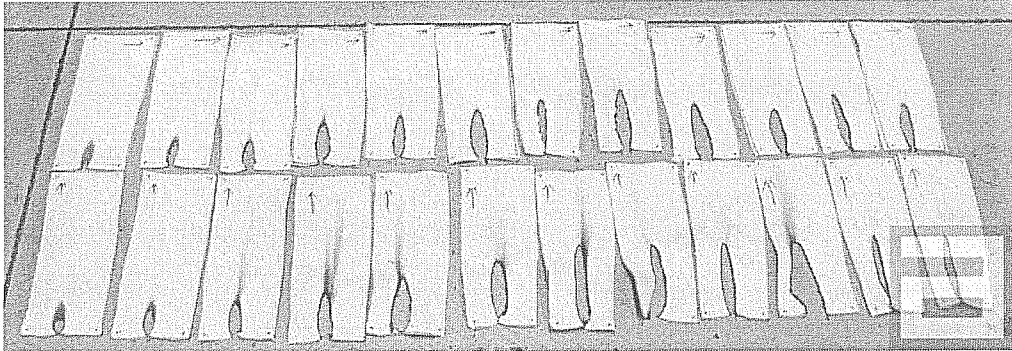
| Flame application time (s) | Lengthwise / Warp | | Widthwise / Weft | |
|----------------------------|--------------------------|------------------------------|--------------------------|------------------------------|
| | Number of ignition cases | Number of not ignition cases | Number of ignition cases | Number of not ignition cases |
| 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 |

| | Lengthwise / Warp | Widthwise / Weft |
|----------------------------|-------------------|------------------|
| Mean ignition time (s) | >20 | >20 |
| Minimum ignition time (s) | | >20 |
| Fabric ignition after 20 s | NO | NO |

Picture after testing:

PICTURES OF THE TESTED SPECIMENS (REF.: PEARL - LIDO)

UNE-EN 1101:1996/A1:2005 – "TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. DETAILED PROCEDURE TO DETERMINE THE IGNIABILITY OF VERTICALLY ORIENTED SPECIMENS (SMALL FLAME)"



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

Standard: UNE-EN 13772:2011

Scope: This European standard specifies a method for measuring flame propagation in vertically oriented textile fabrics intended for curtains and draperies, whether in the form of single or multi-component fabrics (coated, padded, multi-layer, sandwich structure, and similar combinations) using a large flame ignition source.

Test equipment: Vertical flammability test equipment, JBA, no.EQ299
Chronometer, VENTIX, no.EQ1390
Anemometer, TESTO, no.PA075
Millimeter ruler, no.EQ285

Conditioning of the specimens: >24 hours at 20°C ± 2°C and 65% r.h. ± 5% r.h.

Test conditions:

Test specimens: According to the information provided by the applicant

- *General description of the product: Dimout curtain; Trade mark or commercial reference: PEARL- LIDO; Composition: 100% FR Polyester; Grammage: 300 g/m²; End use of the product: Curtains*

Number of specimens: 8 (4 in the lengthwise/warp direction + 4 in the widthwise/weft direction)

Dimensions of the specimens: (560 ± 2) mm x (170 ± 2) mm

Type of test: As indicated by the applicant

- In as-received conditions (original)
- After 12 domestic washing (UNE-EN ISO 6330:2012) at 30°C + Drying: Method C (UNE-EN ISO 6330:2012)

Reference material used:

- Standard cotton fabric (MR006)
- Standard cotton marker threads (MR007)
- Standard paper filter (MR008)

Test atmosphere: 21°C / 31% r.h.

Type of gas: Propane, commercial grade

Flame application: Ignition from the bottom edge (burner inclined 30°)

Air speed: < 0,2 m/s

Temperature increase of the calorimeter between 40°C and 100°C: (3,0 ± 0,1)°C/s

Radiator application time: 30 seconds

Flame application time: 10 seconds

Flame height: 40 mm ± 2 mm

Anisotropic material: Yes

- A Side: Pearl
- B Side: Grey

Date of performance: February 06th – 12th, 2019

Results:

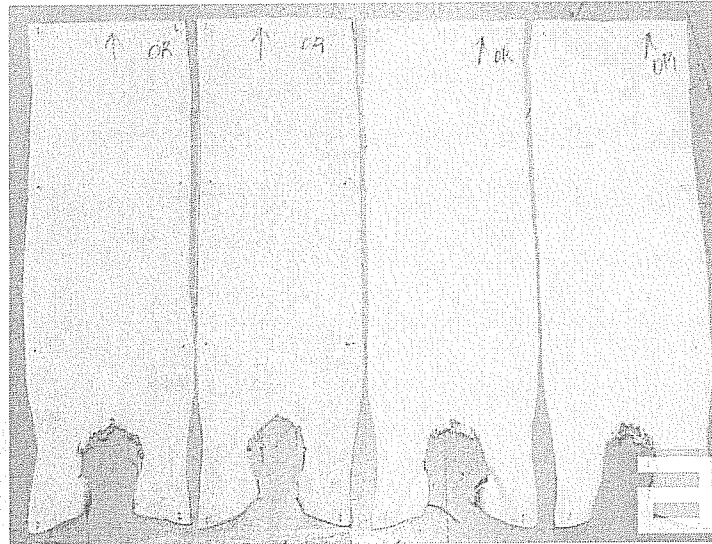
| Type of test: IN AS-RECEIVED CONDITIONS | Lengthwise / Warp | | | | Widthwise / Weft | | | |
|--|-------------------|-----|-----|-----|------------------|-----|-----|-----|
| | A | A | B | B | A | A | B | B |
| Specimen no. | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Time elapsed from flame application to marker thread breakage (s) | | | | | | | | |
| From the beginning to 1 st thread | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| From the beginning to 2 nd thread | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| From the beginning to 3 rd thread | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Marker threads breakage | | | | | | | | |
| 1 st marker thread | NO | NO | NO | NO | NO | NO | NO | NO |
| 2 nd marker thread | NO | NO | NO | NO | NO | NO | NO | NO |
| 3 rd marker thread | NO | NO | NO | NO | NO | NO | NO | NO |
| Specimen burns and extinguishes before the 1st marker thread | NO | NO | NO | NO | NO | NO | NO | NO |
| Length of the damaged area (mm) | 114 | 117 | 113 | 114 | 145 | 112 | 124 | 139 |
| Inflamed residues that burn the filter paper | NO | NO | NO | NO | NO | NO | NO | NO |

| Type of test: AFTER WASHING CYCLES | Lengthwise / Warp | | | | Widthwise / Weft | | | |
|--|-------------------|-----|-----|-----|------------------|-----|-----|-----|
| | A | A | B | B | A | A | B | B |
| Specimen no. | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Time elapsed from flame application to marker thread breakage (s) | | | | | | | | |
| From the beginning to 1 st thread | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| From the beginning to 2 nd thread | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| From the beginning to 3 rd thread | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Marker threads breakage | | | | | | | | |
| 1 st marker thread | NO | NO | NO | NO | NO | NO | NO | NO |
| 2 nd marker thread | NO | NO | NO | NO | NO | NO | NO | NO |
| 3 rd marker thread | NO | NO | NO | NO | NO | NO | NO | NO |
| Specimen burns and extinguishes before the 1st marker thread | NO | NO | NO | NO | NO | NO | NO | NO |
| Length of the damaged area (mm) | 126 | 124 | 147 | 128 | 121 | 119 | 126 | 155 |
| Inflamed residues that burn the filter paper | NO | NO | NO | NO | NO | NO | NO | NO |

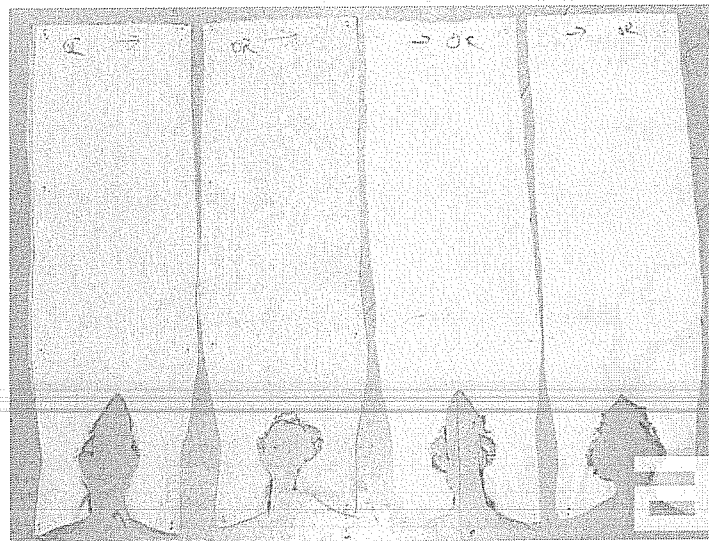
Pictures after testing:

PICTURES OF THE TESTED SPECIMENS (REF.: PEARL – LIDO)

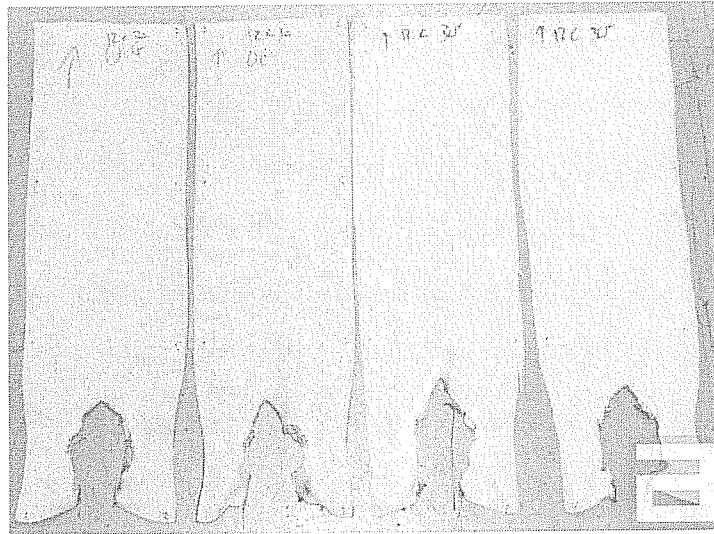
UNE-EN 13772:2011 – "TEXTILES AND TEXTILE PRODUCTS. BURNING BEHAVIOUR. CURTAINS AND DRAPES. MEASUREMENT OF FLAME SPREAD OF VERTICALLY ORIENTED SPECIMENS WITH LARGE IGNITION SOURCE"



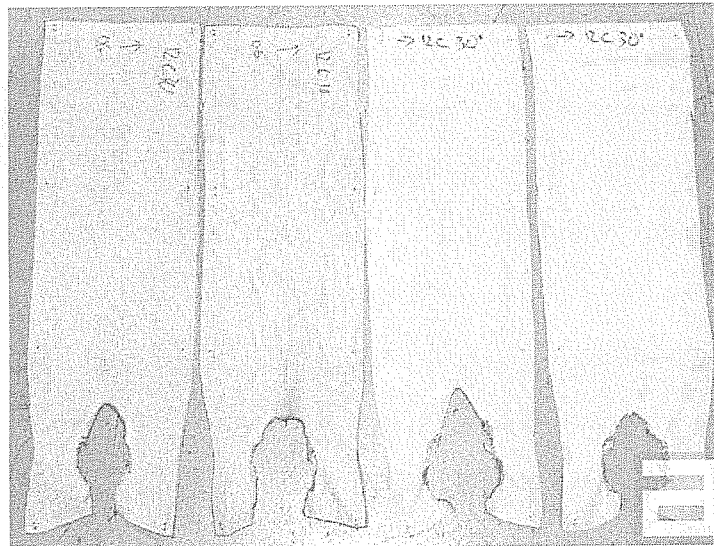
Lengthwise / Warp: In as-received conditions



Widthwise / Weft: In as-received conditions



Lengthwise / Warp: After 12 domestic washing



Widthwise / Weft: After 12 domestic washing