

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

POLARIS

presented by

INDETEX N.V.
RUE DU MONT GALLOIS, 58
7700 – MOUSCRON (BELGIUM)

and according to the classification technical report number **IN-00776/2019-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



Terrassa, April 10th, 2019

(Certificate valid until April 10th, 2024)

Sergi Artigas
Corporation Development Manager



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Josep Mª Pallarès
Certification Supervisor



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CLASSIFICATION TECHNICAL REPORT FOR CONSTRUCTION PRODUCTS

Report No.:		IN-00776/2019-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:

Reference or trade name of the product:	POLARIS
Use or final disposition:	Drapery
Composition:	100% Polyester FR
Weight :	260 g/m²
Thickness:	Information not provided by the applicant
Colour:	IVORY

TECHNICAL DOCUMENTATION PRESENTED

Technical report **IN-00776/2019-E**, issued by LEITAT on April 10th, 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

CLASSIFICATION OF THE PRESENTED MATERIAL

According to the results obtained in the technical report number **IN-00776/2019-E**, performed on the basis of the aforementioned standards, and following the indications of section 5 in **UNE-EN 13773:2003**, the material is classified as:



STANDARD	CRITERIA	RESULTS
UNE-EN 1101:1996/A1:2005	Ignition	Non-ignition
	Non-ignition	
UNE-EN 1102:1996	Not applicable	N.A.
UNE-EN 13772:2011	First marking thread affected	First marking thread not affected
	Third marking thread affected	
	Residues of the flame action appear	No residues of the flame action
CLASSIFICATION	CLASS 1	

Validated by:

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Certifications Supervisor
Josep M^a Pallarès

Terrassa, April 10th, 2019.

INDETEX N.V.
RUE DU MONT GALLOIS, 58
7700 - MOUSCRON
BELGIUM

TECHNICAL REPORT

Report No.: IN-00776/2019-E
Total pages: 6

PRESENTED SAMPLE

Sample description:

According to the information provided by the applicant:

Product: CURTAIN DIMOUT; Reference: POLARIS;
Composition: 100% Polyester FR; Weight: 260 g/m²; Color: IVORY

Presentation date: 21/03/2019

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 21/03/2019 to 10/04/2019

Materials Unit Coordinator
Jordi Jamilena

Materials Unit Technical Manager
Albert Briz

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Terrassa, April 10th, 2019.



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:

Identification of test material: According to the information provided by the applicant
<ul style="list-style-type: none"> Product: <i>COURTAIN DIMOUT</i>; Reference: <i>POLARIS</i>; Composition: <i>100% Polyester FR</i>; Weight: <i>260 g/m²</i>; Color: <i>IVORY</i>
Type of test: As indicated by the applicant
<ul style="list-style-type: none"> After 1 domestic washing (UNE-EN ISO 6330:2012) at 30°C + Drying: C - Flat (UNE-EN ISO 6330:2012)
Sampling (according to UNE-EN ISO 6940:2004):
<ul style="list-style-type: none"> Number of specimens: 12 in each direction Dimensions of the specimens: 200 mm ± 2 mm x 80 mm ± 2 mm
Test atmosphere: 24,1C / 39,9% 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: < 0,1 m/s
Tested side: Outer side
Type of gas: Propane, commercial grade
Date of performance: April 08 th – 09 th , 2019

Results:

Previous test	Lengthwise / Warp		Widthwise / Weft	
	Flame application time (s)	Result	Flame application time (s)	Result
	20	O	20	O

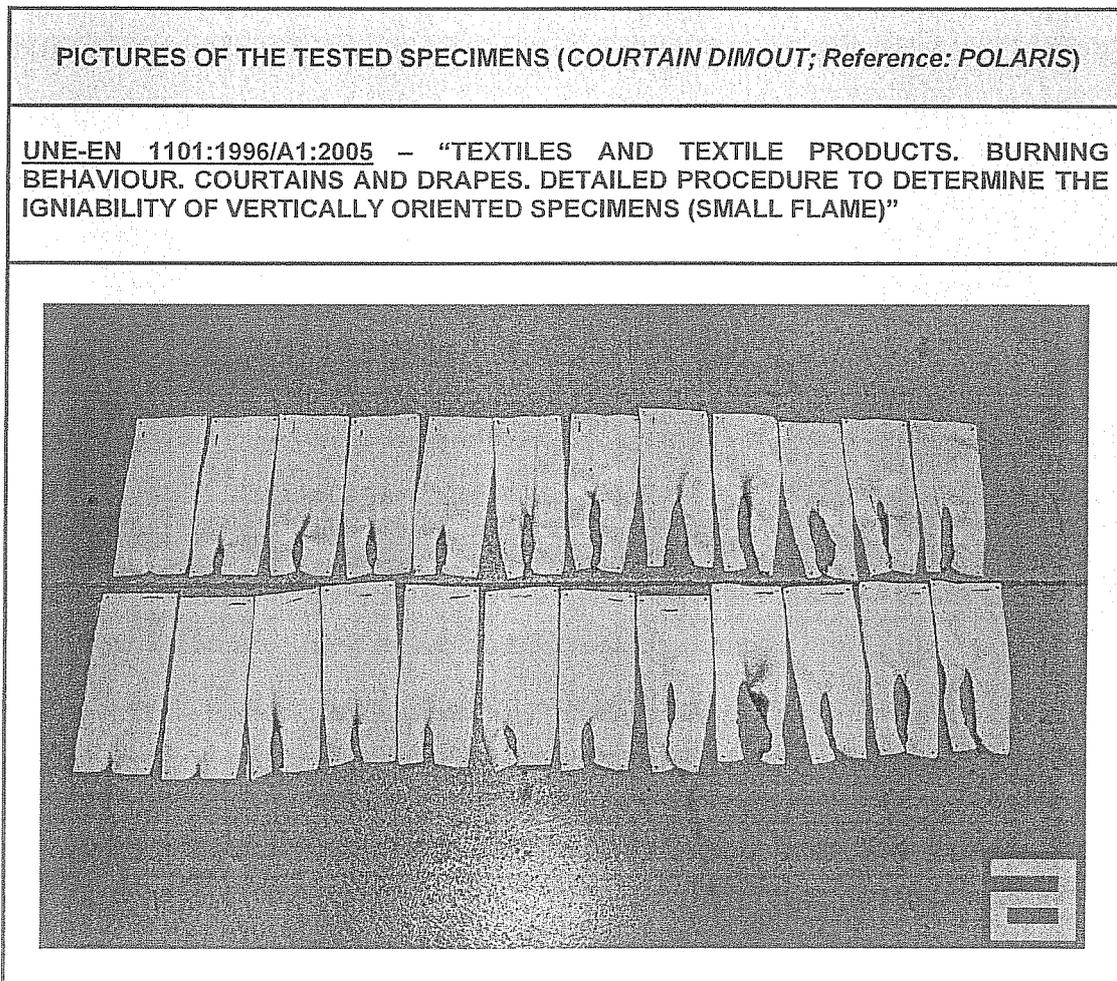
Specimen no.	Lengthwise / Warp		Widthwise / Weft	
	Flame application time (s)	Result	Flame application time (s)	Result
1	20	O	20	O
2	20	O	20	O
3	20	O	20	O
4	20	O	20	O

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
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:



**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.EQ1389
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:

Identification of test material: According to the information provided by the applicant
• <i>Product: COURTAİN DIMOUT; Reference: POLARIS; Composition: 100% Polyester FR; Weight: 260 g/m²; Color: IVORY</i>
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
• After 12 domestic washing (UNE-EN ISO 6330:2012) at 30°C + Drying: C – Flat (UNE-EN ISO 6330:2012)
Reference material:
• Standard cotton fabric (MR006)
• Standard cotton marker thread (MR007)
• Standard paper filter (MR008)
Test atmosphere: 21,2°C / 48,3% r.h.
Type of gas: Propane, commercial grade
Flame application: Ignition from the bottom edge (burner inclined 30°)
Air speed: < 0,1 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: No
Date of performance: March 27 th - April 09 th , 2019

Results:

Type of test: AFTER WASHING CYCLES	Lengthwise / Warp				Widthwise / Weft			
	1	2	3	4	1	2	3	4
Specimen no.								
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 yarns 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)	135	134	138	125	139	135	114	112
Inflamed residues that burn the filter paper	No	No	No	No	No	No	No	No

Pictures after testing:

