

# Eco-245

65% RECYCLED POLYESTER /  
35% RECYCLED COTTON /  
245 GSM / TWILL 3/1



Fabric name	Eco-245
Fabric weight	245 ± 5 gsm
Composition	65% Recycled Polyester, 35% Recycled Cotton
Full width	152 ± 2 cm
Weave	twill 3/1
Finishes	WR
Area of use	construction and transport sectors work wear
Washing instruction	

## Physical properties\*

			warp	weft	
1	Tensile strength, N	ISO 13934-1:2013	1600	450	
2	Tearing strength, N	ISO 13937-3:2000	50	23	
3	Dimensional Stability To Washing, max.	ISO 6330:2000	3.0%	3.0%	
4	Abrasion Resistance	ISO 12947-2:2002	> 30 000		
5	Pilling Resistance (after 1000 rev.)	ISO 12945-2:2000	3-4		
6	Colour Fastness To Washing (cotton+polyester) 60°C, min.	ISO 105-C06:2010			
		Colour change	ISO 105-C06:2010	4	
		Colour staining	ISO 105-C06:2010	3	
7	Colour Fastness To Perspiration, min.	ISO 105-E04:2013			
		Colour change	4		
		Colour staining	4		
8	Colour Fastness To Rubbing, min.	ISO 105-X12:2001			
		Dry	3-4		
		Wet	2-3		
9	Colour Fastness To Light	ISO 105-B02:2013	> 4		

\* The values shown are indicative and may vary slightly from batch to batch.

[www.xmtextiles.com](http://www.xmtextiles.com)

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**2023EP1356**

## TEST REPORT

### DATE OF RECEPTION

*Date Format: dd/MM/yyyy* 12/04/2023

### DATE OF TESTS

Starting : 17/04/2023

Ending: 18/04/2023

### APPLICANT

XM Textiles Europe UAB

Dariaus ir Gireno st. 42A Office 509

LT-02189 Vilnius

Lithuania

Att Irina

### REFERENCE OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2023EP1356-S01	XM-6011	Reflective tape

### TESTS CARRIED OUT

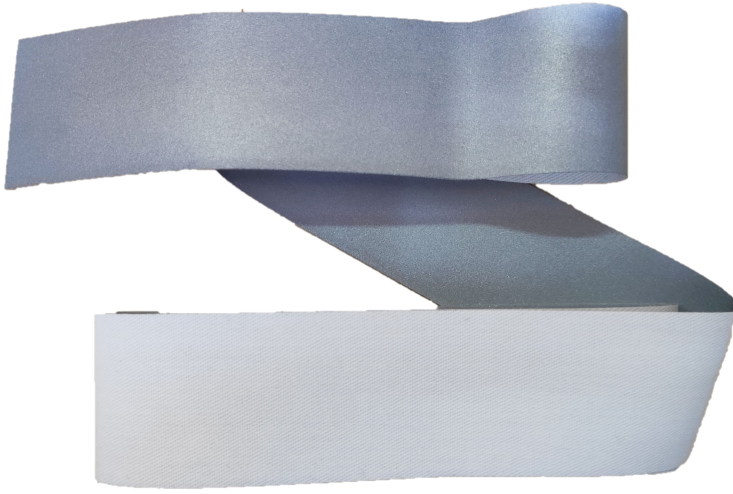
- DETERMINATION OF CANCEROGENIC ARYLAMINES

Tests marked with \* are not included within the scope of the accreditation.





## DESCRIPTION OF SAMPLES



**Reference by AITEX:** 2023EP1356-S01

**Reference by customer:**

XM-6011

**AITEX sample description:**

Silver reflective tape.

**Information supplied by the customer**

Fabric ref. XM-6011

Composition and percentage 100% Cotton, N/A

Weight

Color Silver

Others (if any) 476

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## RESULTS

### DETERMINATION OF CANCEROGENIC ARYLAMINES

#### Standard

EN 14362-1:2017

#### Detection System according to

Gas Chromatograph 7890A

#### Testing Method

GC/MSD

#### Uncertainty

± 9 mg/Kg

Reference	Result (mg/Kg)
2023EP1356-S01	< 30

#### <sup>1</sup> Arylamines tested

Substance		
4-Aminobiphenyl	3,3'-Dimethylbenzidine	2,4-Diaminoanisole
Benzidine	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	o-Anisidine
4-Chlor-o-toluidine	p-Cresidine	3,3'-Dichlorobenzidine
2-Naphthylamine	4,4'-Methylene-bis-2-chloraniline	2,4,5-Trimethylaniline
o-Aminoazotoluene	4,4'-Oxydianiline	4,4'-Diaminodiphenylmethane
2-Amino-4-nitrotoluene	4,4'-Thiodianiline	2,4-Toluyldiamine
p-Chloraniline	o-Toluidine	
3,3'-Dimethoxybenzidine	4-Aminoazobenzene	



**Lucia Martinez**  
Head of PPE and Ballistics department



Date: 18/04/2023 17:16:01

Digitally Signed by: ISABEL LLOPIS LUMBRERAS -

NIF: 21678551Q

### Liability clauses

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- 2-AITEX shall not be liable in any case of misuse of the test materials nor for undue interpretation or use of this document.
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- 4-In the eventuality of discrepancies between reports, a check to settle the same will be carried out in the head offices of AITEX. Also, the applicants undertake to notify AITEX of any complaint received by them as a result of the report, exempting this Centre from all liability if such is not done, the periods of conservation of the samples being taken into account.
- 5-AITEX will provide at the request of the person concerned, the treatment of complaints procedure. In the event that you want to make it, direct it to: [calidad@aitex.es](mailto:calidad@aitex.es).
- 6-AITEX is not responsible for the information provided by customers, which is reflected in the Report, and may affect the validity of the results.
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- 9-The original materials and rests of samples, not subject to test, will be retained in AITEX during the twelve months following the issuance of the report, so that any check or claim which, in his case, wanted to make the applicant, should be exercised within the period indicated.
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- 11-The results of the tests and the statement of compliance with the specification in this report refer only to the test sample as it has been analyzed / tested and not the sample / item which has taken the test sample.
- 12-The client must attend at all times, to the dates of the realization of the tests.
- 13-According to Resolution EA (33) 31, the test reports must include the unique identification of the sample, and any brand or label of the manufacturer may be added. It is not allowed to re-issue test reports of untested sample names (references), they can only be re-issued for error correction or inclusion of omitted data that were already available at the time of the test. The laboratory can not assume responsibility for declaring that the product with the new trade name / trademark is strictly identical to the one originally tested; This responsibility belongs to the client.
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- 17-AITEX laboratories do not carry out sampling, so that the results of the test reports are applicable to the sample as it was received.

**2023EP2120**

## TEST REPORT

### DATE OF RECEPTION

*Date Format: dd/MM/yyyy* 05/05/2023

### DATE OF TESTS

Starting: 10/05/2023

Ending: 13/06/2023

### APPLICANT

XM Textiles Europe UAB  
 Darius ir Gireno st. 42A Office 509  
 LT-02189 Vilnius

Lithuania

Att CERTIFICATION TEAM

### REFERENCE OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2023EP2120-S01	XM-6011	Reflective tape

### TESTS CARRIED OUT

- DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE
- PRE-TREATMENT FOR INDUSTRIAL WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING

Tests marked with \* are not included within the scope of the accreditation.





**DESCRIPTION OF SAMPLES**



**Reference by AITEX:** 2023EP2120-S01

**Reference by customer:**

XM-6011

**AITEX sample description:**

Silver reflective tape recovered from report 2023EP1693.

**Information supplied by the customer**

Fabric ref. XM-6011

Composition and percentage 100% Cotton, N/A

Color Silver

Others (if any) 468

AITEX Subsamples	Subsample Description
2023EP2120-S01_P1	Tape - AFTER WASH 50 cycles



## EXECUTIVE SUMMARY

EN ISO 20471:2013+EN ISO 20471:2013+AMD1: 2016	Reference	Test/Standard	Result
	2023EP2120-S01_P1	DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE EN ISO 20471:2013+EN ISO 20471:2013+Amd1:2016	PASS



## REQUIREMENT SUMMARY

### DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE

#### REQUIREMENT ACCORDING EN ISO 20471:2013+EN ISO 20471:2013+AMD1:2016

Minimum coefficient of retroreflection in  $\text{cd}/(\text{lx}\cdot\text{m}^2)$  for separate performance retroreflective material according to section 6.2.2 of standard EN ISO 20471:2013/A1:2016

Observation angle Entrance angle	Position	Requirement after pre-treatment
12' / 5°	$\epsilon_1 = 0^\circ$ vertical	$\geq 100$ ( $\text{cd}/\text{lx}\cdot\text{m}^2$ )
12' / 5°	$\epsilon_2 = 90^\circ$ horizontal	



# RESULTS

## DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE

### Standard

EN ISO 20471:2013+EN ISO 20471:2013+Amd1:2016

### Equipment

Optronik rms 10 retroreflectotemer 13320E06

### Test date

**Start date** 06/06/2023 **End date** 08/06/2023

### Light lamp

CIE standard Illuminant A

### Measurement distance

A=15m

B=16m

### To determine the retroreflection coefficient is considered

$\epsilon_1 = 0^\circ$  vertical retroreflective strips.

$\epsilon_2 = 90^\circ$  Horizontal retroreflective strips.

### Reference

2023EP2120-S01\_P1

### Sample size

100 cm<sup>2</sup>

### Measurement distance

A

Observation angle Entrance angle	Position	Result (cd/lx·m <sup>2</sup> )
12' / 5°	$\epsilon_1 = 0^\circ$ vertical	103.4
12' / 5°	$\epsilon_2 = 90^\circ$ horizontal	105.8

### Uncertainty

±2% of the value measured

### Note

Minimum coefficient of retroreflection in cd/(lx m<sup>2</sup>) for separate performance retroreflective material according to section 6.2.2 of standard EN ISO 20471:2013/A1:2016

Reference	Description
2023EP2120-S01_P1	Tape - AFTER WASH 50 cycles



## RESULTS

### PRE-TREATMENT FOR INDUSTRIAL WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING

**Standard**

EN ISO 15797:2018

**Washing procedure**

Table 4, procedure 2

**Washing cycles**

50

**Washing temperature**

75°C

**Drying procedure**

A (tumble drying) - Industrial drying 13010I12

**Drying temperature**

70°C

**Washing powder**

Detergent without brightener 13075N12

**Reference**

2023EP2120-S01

**Test date**

**Start date**

10/05/2023

**End date**

23/05/2023

Dry mass of the samples (Kg)	Counterweight mass (Kg)	Counterweight type	Equipment
0.48	12	COTTON / POLYESTER	INDUSTRIAL WASHING MACHINE 1 13009E12

Reference	Description
2023EP2120-S01	XM-6011



**Lucia Martinez**  
Head of PPE and Ballistics department



Date: 13/06/2023 9:31:14

Digitally Signed by: ISABEL LLOPIS LUMBRERAS -

NIF: 21678551Q

### Liability clauses

- 1- AITEX is liable only for the results of the methods of analysis used, as expressed in the report and referring exclusively to the materials or samples indicated in the same which are in its possession, the professional and legal liability of the Centre being limited to these. Unless otherwise stated, the samples were freely chosen and sent by the applicant.
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- 16- This report may not be partially reproduced without the written approval of the issuing laboratory.
- 17- AITEX laboratories do not carry out sampling, so that the results of the test reports are applicable to the sample as it was received.

## TEST REPORT

**2023EP2658**

### DATE OF RECEPTION

Date Format: dd/MM/yyyy 05/05/2023

### DATE TESTS

Starting: 08/05/2023

Ending: 29/05/2023

### APPLICANT

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Att. CERTIFICATION TEAM

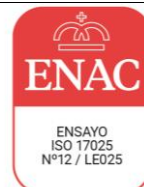
### IDENTIFICATION AND DESCRIPTION OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2023EP1693-S01	XM-6011	Reflective tape

### TESTS CARRIED OUT

- DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE.
- DETERMINATION OF ABRASION RESISTANCE PRETREATMENT.
- RESISTANCE TO FLEXING PRETREATMENT.
- EXPOSURE TO TEMPERATURE VARIATION.
- PRE-TREATMENT FOR INDUSTRIAL WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING.
- PRE-TREATMENT OF DRY CLEANING.

Tests marked with \* are not included within the scope of the ENAC accreditation.





## DESCRIPTION OF SAMPLES



**Reference by AITEX:** 2023EP1693-S01

**Reference by customer:**

XM-6011

**AITEX sample description:**

Silver reflective tape.

**Information supplied by the customer**

Fabric ref. XM-6011

Composition and percentage 100% Cotton, N/A

Color Silver

Others (if any) 468

AITEX Subsamples	Subsample Description
2023EP1693-S01_P1	Tape -AFTER ABRASION
2023EP1693-S01_P2	Tape - AFTER FLEXION
2023EP1693-S01_P3	Tape - AFTER FOLDING AT COLD TEMPERATURES
2023EP1693-S01_P4	Tape - AFTER TEMPERATURE VARIATION
2023EP1693-S01_P5	Tape - AFTER RAINFALL EXPOSURE
2023EP1693-S01_P7	Tape - AFTER DRY CLEANING 30 cycles



## EXECUTIVE SUMMARY

	Reference	Test/Standard	Result
<b>EN ISO 20471:2013+EN ISO 20471:2013+AMD1:2016</b>	2023EP1693-S01	DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE <b>EN ISO 20471:2013+EN ISO 20471:2013+Amd1:2016</b>	PASS
	2023EP1693-S01_P1	DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE <b>EN ISO 20471:2013+EN ISO 20471:2013+Amd1:2016</b>	PASS
	2023EP1693-S01_P2	DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE <b>EN ISO 20471:2013+EN ISO 20471:2013+Amd1:2016</b>	PASS
	2023EP1693-S01_P3	DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE <b>EN ISO 20471:2013+EN ISO 20471:2013+Amd1:2016</b>	PASS
	2023EP1693-S01_P4	DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE <b>EN ISO 20471:2013+EN ISO 20471:2013+Amd1:2016</b>	PASS
	2023EP1693-S01_P5	DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE <b>EN ISO 20471:2013+EN ISO 20471:2013+Amd1:2016</b>	PASS
	2023EP1693-S01_P7	DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE <b>EN ISO 20471:2013+EN ISO 20471:2013+Amd1:2016</b>	PASS



## REQUIREMENT SUMMARY

### DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE

#### REQUIREMENT ACCORDING EN ISO 20471:2013+EN ISO 20471:2013+AMD1:2016

Minimum coefficient of retroreflection in  $\text{cd}/(\text{lx m}^2)$  for separate performance retroreflective material according to section 6.1 of standard EN ISO 20471:2013/A1:2016

Observation angle	Entrance angle			
	5°	20°	30°	40°
12'	330	290	180	65
20'	250	200	170	60
1°	25	15	12	10
01°30'	10	7	5	4

### DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE

#### REQUIREMENT ACCORDING EN ISO 20471:2013+EN ISO 20471:2013+AMD1:2016

Minimum coefficient of retroreflection in  $\text{cd}/(\text{lx m}^2)$  for separate performance retroreflective material according to section 6.2.2 of standard EN ISO 20471:2013/A1:2016

Observation angle Entrance angle	Position	Requirement after pre-treatment
12' / 5°	$\epsilon_1 = 0^\circ$ vertical	$\geq 100 (\text{cd}/\text{lx}\cdot\text{m}^2)$
12' / 5°	$\epsilon_2 = 90^\circ$ horizontal	



## RESULTS

### DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE

**Standard**

EN ISO 20471:2013+EN ISO 20471:2013+Amd1:2016

**Equipment**

Optronik rms 10 retroreflectotemer 13320E06

**Test date**

<b>Start date</b>	08/05/2023	<b>End date</b>	24/05/2023
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**Light lamp**

CIE standard Illuminant A

**Measurement distance**

A=15m

B=16m

**To determine the retroreflection coefficient is considered**

$\epsilon_1 = 0^\circ$  vertical retroreflective strips.

$\epsilon_2 = 90^\circ$  Horizontal retroreflective strips.

**Variation between retroreflection coefficients**

2.91 % No orientation-sensitive material



### Reference

2023EP1693-S01

### Sample size

100 cm<sup>2</sup>

### Measurement distance

A

Observation angle Entrance angle	Position	Result (cd/lx·m <sup>2</sup> )
12' / 5°	ε1 = 0° vertical	464.1
12' / 5°	ε2 = 90° horizontal	450.6

### Results

### Reference

2023EP1693-S01

Observation angle	Position	Result (cd/lx·m <sup>2</sup> )			
		Entrance angle			
		5°	20°	30°	40°
12'	ε1 = 0° vertical	464.1	530.3	532.5	430.3
20'	ε1 = 0° vertical	317.1	348.5	349.1	308.5
1°	ε1 = 0° vertical	49.36	43.34	47.17	41.07
1°30'	ε1 = 0° vertical	20.05	13.51	17.52	21.7
12'	ε2 = 90° horizontal	450.6	508.4	518.7	468.4
20'	ε2 = 90° horizontal	295.3	333.7	338.6	320.9
1°	ε2 = 90° horizontal	49.37	43.51	48.83	48.39
1°30'	ε2 = 90° horizontal	19.53	14.17	18.84	20.63

### Uncertainty

±2% of the value measured

### Note

Minimum coefficient of retroreflection in cd/(lx m<sup>2</sup>) for separate performance retroreflective material according to section 6.1 of standard EN ISO 20471:2013/A1:2016

Reference	Description
2023EP1693-S01	XM-6011



## RESULTS

### DETERMINATION OF ABRASION RESISTANCE PRETREATMENT

**Standard**

EN ISO 12947-2:2016

**Equipment**

Martindale Abrasion Tester

**Atmosphere for conditioning****Temperature** (20 ± 2) °C**Relative Humidity** (65 ± 4) %**Test conditions**

Rubbing against SM-25 abrondant fabric

**Type of fabric**

Outside fabric

**Test pressure**

9 KPa

**Reference**

2023EP1693-S01

Specimen	N° of cycles
1	5000
2	5000

Reference	Description
2023EP1693-S01	XM-6011



## RESULTS

### DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE

#### Standard

EN ISO 20471:2013+EN ISO 20471:2013+Amd1:2016

#### Equipment

Optronik rms 10 retroreflectotemer 13320E06

#### Test date

Start date 26/05/2023 End date 29/05/2023

#### Light lamp

CIE standard Illuminant A

#### Measurement distance

A=15m

B=16m

#### To determine the retroreflection coefficient is considered

$\epsilon_1 = 0^\circ$  vertical retroreflective strips.

$\epsilon_2 = 90^\circ$  Horizontal retroreflective strips.

#### Reference

2023EP1693-S01\_P1

#### Sample size

100 cm<sup>2</sup>

#### Measurement distance

A

Observation angle Entrance angle	Position	Result (cd/lx·m <sup>2</sup> )
12' / 5°	$\epsilon_1 = 0^\circ$ vertical	452.1
12' / 5°	$\epsilon_2 = 90^\circ$ horizontal	445.7

#### Uncertainty

±2% of the value measured

#### Note

Minimum coefficient of retroreflection in cd/(lx m<sup>2</sup>) for separate performance retroreflective material according to section 6.2.2 of standard EN ISO 20471:2013/A1:2016

Reference	Description
2023EP1693-S01_P1	Tape -AFTER ABRASION



## RESULTS

### RESISTANCE TO FLEXING PRETREATMENT

#### Standard

EN ISO 7854:1997 Mét.A

#### Reference

2023EP1693-S01

#### Test date

Start date

09/05/2023

End date

10/05/2023

Specimens	Direction	Flex cycles
2	Lengthwise and Crosswise	7500

#### Visual inspection after flex cycles

1. Material damage	Doesn't exist damages
2. Description of the damage	---
3. Fissures	Doesn't exist fissures
a. Deepness fissures	---
b. Number of fissures	---
c. Longitude of fissures	---
4. Deslaminated	Doesn't exist deslaminated

Reference	Description
2023EP1693-S01	XM-6011



## RESULTS

### DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE

#### Standard

EN ISO 20471:2013+EN ISO 20471:2013+Amd1:2016

#### Equipment

Optronik rms 10 retroreflectometer 13320E06

#### Test date

Start date 22/05/2023 End date 24/05/2023

#### Light lamp

CIE standard Illuminant A

#### Measurement distance

A=15m

B=16m

#### To determine the retroreflection coefficient is considered

$\epsilon_1 = 0^\circ$  vertical retroreflective strips.

$\epsilon_2 = 90^\circ$  Horizontal retroreflective strips.

#### Reference

2023EP1693-S01\_P2

#### Sample size

100 cm<sup>2</sup>

#### Measurement distance

A

Observation angle Entrance angle	Position	Result (cd/lx·m <sup>2</sup> )
12' / 5°	$\epsilon_1 = 0^\circ$ vertical	447.2
12' / 5°	$\epsilon_2 = 90^\circ$ horizontal	441.2

#### Uncertainty

±2% of the value measured

#### Note

Minimum coefficient of retroreflection in cd/(lx m<sup>2</sup>) for separate performance retroreflective material according to section 6.2.2 of standard EN ISO 20471:2013/A1:2016

Reference	Description
2023EP1693-S01_P2	Tape -AFTER FLEXION



## RESULTS

### DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE

#### Standard

EN ISO 20471:2013+EN ISO 20471:2013+Amd1:2016

#### Equipment

Optronik rms 10 retroreflectotemer 13320E06

#### Test date

Start date 22/05/2023 End date 24/05/2023

#### Light lamp

CIE standard Illuminant A

#### Measurement distance

A=15m

B=16m

#### To determine the retroreflection coefficient is considered

$\epsilon_1 = 0^\circ$  vertical retroreflective strips.

$\epsilon_2 = 90^\circ$  Horizontal retroreflective strips.

#### Reference

2023EP1693-S01\_P3

#### Sample size

100 cm<sup>2</sup>

#### Measurement distance

A

Observation angle Entrance angle	Position	Result (cd/lx·m <sup>2</sup> )
12' / 5°	$\epsilon_1 = 0^\circ$ vertical	462.5
12' / 5°	$\epsilon_2 = 90^\circ$ horizontal	458.7

#### Uncertainty

±2% of the value measured

#### Note

Minimum coefficient of retroreflection in cd/(lx m<sup>2</sup>) for separate performance retroreflective material according to section 6.2.2 of standard EN ISO 20471:2013/A1:2016

Reference	Description
2023EP1693-S01_P3	Tape -AFTER FOLDING AT COLD TEMPERATURES



## RESULTS

### EXPOSURE TO TEMPERATURE VARIATION

**Standard**

EN ISO 20471:2013 point 7.4.4

**Starting test date**

19/05/2023

**Ending test date**

22/05/2023

**Apparatus**

Conditioning chamber

**Number of specimens**

1

**Number of specimens rejected**

0

**Reference**

2023EP1693-S01

**Carrying out of the fitting out**

Reflective strips are continuously exposed to a changing temperature cycle.

**Results**

- For 12 h at  $(50 \pm 2)$  °C; immediately followed by
- 20 h at  $(-30 \pm 2)$  °C
- Conditioned for at least 2 h in accordance with 7.1.: 24 h at  $(20 \pm 2)$  °C and  $(65 \pm 5)$  % relative humidity

Reference	Description
2023EP1693-S01	XM-6011



## RESULTS

### DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE

#### Standard

EN ISO 20471:2013+EN ISO 20471:2013+Amd1:2016

#### Equipment

Optronik rms 10 retroreflectometer 13320E06

#### Test date

Start date 19/05/2023 End date 24/05/2023

#### Light lamp

CIE standard Illuminant A

#### Measurement distance

A=15m

B=16m

#### To determine the retroreflection coefficient is considered

$\epsilon_1 = 0^\circ$  vertical retroreflective strips.

$\epsilon_2 = 90^\circ$  Horizontal retroreflective strips.

#### Reference

2023EP1693-S01\_P4

#### Sample size

100 cm<sup>2</sup>

#### Measurement distance

A

Observation angle Entrance angle	Position	Result (cd/lx·m <sup>2</sup> )
12' / 5°	$\epsilon_1 = 0^\circ$ vertical	463.3
12' / 5°	$\epsilon_2 = 90^\circ$ horizontal	456.1

#### Uncertainty

±2% of the value measured

#### Note

Minimum coefficient of retroreflection in cd/(lx m<sup>2</sup>) for separate performance retroreflective material according to section 6.2.2 of standard EN ISO 20471:2013/A1:2016

Reference	Description
2023EP1693-S01_P4	Tape -AFTER TEMPERATURE VARIATION



## RESULTS

### DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE

#### Standard

EN ISO 20471:2013+EN ISO 20471:2013+Amd1:2016

#### Equipment

Optronik rms 10 retroreflectometer 13320E06

#### Test date

Start date 22/05/2023 End date 24/05/2023

#### Light lamp

CIE standard Illuminant A

#### Measurement distance

A=15m

B=16m

#### To determine the retroreflection coefficient is considered

$\epsilon_1 = 0^\circ$  vertical retroreflective strips.

$\epsilon_2 = 90^\circ$  Horizontal retroreflective strips.

#### Reference

2023EP1693-S01\_P5

#### Sample size

100 cm<sup>2</sup>

#### Measurement distance

B

Observation angle Entrance angle	Position	Result (cd/lx·m <sup>2</sup> )
12' / 5°	$\epsilon_1 = 0^\circ$ vertical	383.8
12' / 5°	$\epsilon_2 = 90^\circ$ horizontal	379.1

#### Uncertainty

±2% of the value measured

#### Note

Minimum coefficient of retroreflection in cd/(lx m<sup>2</sup>) for separate performance retroreflective material according to section 6.2.2 of standard EN ISO 20471:2013/A1:2016

Reference	Description
2023EP1693-S01_P1	Tape -AFTER RAINFALL EXPOSURE



## RESULTS

### PRE-TREATMENT OF DRY CLEANING

**Standard**

EN ISO 3175-2:2018

**Equipment**

Drying machine 13104N12

Scale 13003E03

Scale sartorius 04075IE03

**Washing procedure**

Normal

**Reference**

2023EP1693-S01

**Test date****Start date**

09/05/2023

**End date**

17/05/2023

**Washing cycles**

30

Reference	Description
2023EP1693-S01	XM-6011



## RESULTS

### DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE

#### Standard

EN ISO 20471:2013+EN ISO 20471:2013+Amd1:2016

#### Equipment

Optronik rms 10 retroreflectometer 13320E06

#### Test date

Start date 22/05/2023 End date 24/05/2023

#### Light lamp

CIE standard Illuminant A

#### Measurement distance

A=15m

B=16m

#### To determine the retroreflection coefficient is considered

$\epsilon_1 = 0^\circ$  vertical retroreflective strips.

$\epsilon_2 = 90^\circ$  Horizontal retroreflective strips.

#### Reference

2023EP1693-S01\_P7

#### Sample size

100 cm<sup>2</sup>

#### Measurement distance

A

Observation angle Entrance angle	Position	Result (cd/lx·m <sup>2</sup> )
12' / 5°	$\epsilon_1 = 0^\circ$ vertical	461.1
12' / 5°	$\epsilon_2 = 90^\circ$ horizontal	455.9

#### Uncertainty

±2% of the value measured

#### Note

Minimum coefficient of retroreflection in cd/(lx m<sup>2</sup>) for separate performance retroreflective material according to section 6.2.2 of standard EN ISO 20471:2013/A1:2016

Reference	Description
2023EP1693-S01_P7	Tape -AFTER DRY CLEANING 30 cycles



**Lucia Martinez**  
Head of PPE and Ballistics department



Date: 11/07/2023 13:45:01

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NIF: 21678551Q

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- 17.- AITEX laboratories do not carry out sampling, so that the results of the test reports are applicable to the sample as it was received.

**2023EP3601**

## TEST REPORT

### DATE OF RECEPTION

*Date Format: dd/MM/yyyy* 26/09/2023

### DATE OF TESTS

Starting: 28/09/2023

Ending: 16/10/2023

### APPLICANT

XM TEXTILES POLSKA SP. Z O. O.

16 WOLNOŚCIOWA

PL-95-200 Pabianice

Poland

Att Irina Danilova

### REFERENCE OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2023EP3601-S01	XM-6011	Reflective tape

### TESTS CARRIED OUT

- PRE-TREATMENT FOR INDUSTRIAL WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING
- DETERMINATION OF HEAT RESISTANCE 260°C

Tests marked with \* are not included within the scope of the accreditation.





**DESCRIPTION OF SAMPLES**



**Reference by AITEX:** 2023EP3601-S01

**Reference by customer:**

XM-6011

**AITEX sample description:**

Silver reflective tape.

**Information supplied by the customer**

Fabric ref. XM-6011

Composition and percentage 100% Cotton, FR

Weight

Color Silver

Others (if any) 517

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AITEX Subsamples	Subsample Description
2023EP3601-S01_P1	Tape - AFTER WASH 50 cycles



## EXECUTIVE SUMMARY

	Reference	Test/Standard	Result
EN ISO 15384:2020/A1:202 1	2023EP3601-S01_P1	DETERMINATION OF HEAT RESISTANCE 260°C ISO 17493:2016	PASS



## REQUIREMENT SUMMARY

### DETERMINATION OF HEAT RESISTANCE 260°C REQUIREMENT ACCORDING EN ISO 15384:2020/A1:2021

#### **Fabric**

No layer can melt and/or drip.

At 260°C not layer shrink by more than 10%.

Not layer must ignite.

#### **Hardware**

No hardware/strip/seam shall ignite or melt

Closures opens



## RESULTS

### PRE-TREATMENT FOR INDUSTRIAL WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING

**Standard**

EN ISO 15797:2018

**Washing procedure**

Table 4, procedure 2

**Washing cycles**

50

**Washing temperature**

75°C

**Drying procedure**

A (tumble drying) - Industrial drying

**Drying temperature**

70°C

**Washing powder**

Detergent without brightener

**Reference**

2023EP3601-S01

**Test date**

**Start date**

28/09/2023

**End date**

06/10/2023

Dry mass of the samples (Kg)	Counterweight mass (Kg)	Counterweight type	Equipment
0.09	12.5	COTTON / POLYESTER	INDUSTRIAL WASHING MACHINE 2

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2023EP3601-S01	Silver reflective tape.



## RESULTS

### DETERMINATION OF HEAT RESISTANCE 260°C

**Standard**

ISO 17493:2016

**Equipment**

Air stove

**Test date**

**Start date** 13/10/2023 **End date** 16/10/2023

**Temperature**

(260 ± 5)°C

**Length of the test**

5 min (+0,15/-0) min

**Uncertainty**

± 8 %

**Reference**

2023EP3601-S01\_P1

Ignition	Melting	Separation	Direction	Shrink(-) Elongation(+)
NO	NO	NO	Lengthwise	0%
			Crosswise	0%

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2023EP3601-S01_P1	Tape - AFTER WASH 50 cycles



**Lucia Martinez**  
Head of PPE and Ballistics department



Date: 17/10/2023 10:20:20

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NIF: 21678551Q

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- 4- In the eventuality of discrepancies between reports, a check to settle the same will be carried out in the head offices of AITEX. Also, the applicants undertake to notify AITEX of any complaint received by them as a result of the report, exempting this Centre from all liability if such is not done, the periods of conservation of the samples being taken into account.
- 5- AITEX will provide at the request of the person concerned, the treatment of complaints procedure. In the event that you want to make it, direct it to: [calidad@aitex.es](mailto:calidad@aitex.es).
- 6- AITEX is not responsible for the information provided by customers, which is reflected in the Report, and may affect the validity of the results.
- 7- AITEX may include in its reports, analyses, results, etc., any other evaluation which it considers necessary, even when it has not been specifically requested.
- 8- The uncertainties of the tests, which are made explicit in the Results Report, have been estimated for a  $k = 2$  (probability of coverage of 95%). If not informed, they are available to the client in AITEX.
- 9- The results of the tests and the statement of compliance with the specification in this report refer only to the test sample as it has been analyzed / tested and not the sample / item which has taken the test sample.
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- 16- This report may not be partially reproduced without the written approval of the issuing laboratory.
- 17- The tests have been carried out at the Alcoy plant with the address described on the first page of the report, unless another location is indicated in the results sheet of the specific test.

**2022EP7273**

## TEST REPORT

### DATE OF RECEPTION

*Date Format: dd/MM/yyyy* 09/05/2022

### DATE OF TESTS

Starting : 16/05/2022

Ending: 07/06/2022

### APPLICANT

XM Textiles Europe UAB

Darius ir Gireno st. 42A Office 509

LT-02189 Vilnius

Att CERTIFICATION TEAM

### REFERENCE OF SAMPLES

Reference by AITEX	Reference provided by the customer	Sample description
2022EP6899-S01	Tape ref. XM-6011	Reflective tape

### TESTS CARRIED OUT

- DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE
- PRE-TREATMENT FOR INDUSTRIAL WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING
- LIMITED FLAME SPREAD
- PRE-TREATMENT

Tests marked with \* are not included within the scope of the accreditation.





**DESCRIPTION OF SAMPLES**



**Reference by AITEX:** 2022EP6899-S01

**Reference provided by the customer:**

Tape ref. XM-6011

**Sample description:**

Fabric ref. XM-6011

Composition and percentage 100% Cotton, N/A

Color Silver

Others (if any) 369

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Reference by AITEX	Reference provided by the customer
2022EP6899-S01.1	AFTER WASH
2022EP6899-S01.2	AFTER HEAT RESISTANCE

**EXECUTIVE SUMMARY**

	<b>Sample</b>	<b>Test/Standard</b>	<b>Result</b>
<b>EN 469:2020</b>	2022EP6899-S01.2	DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE EN ISO 20471:2013/A1:2016	PASS
	2022EP6899-S01.1	FLAME SPREAD TEST EN ISO 15025:2016 Met.A	INDEX 3
<b>EN ISO 20471:2013/A1:2016</b>	<b>Sample</b>	<b>Test/Standard</b>	<b>Result</b>
	2022EP6899-S01	DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE EN ISO 20471:2013/A1:2016	PASS



## REQUIREMENT SUMMARY

### DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE

#### REQUIREMENT ACCORDING EN ISO 20471:2013/A1:2016

Minimum coefficient of retroreflection in  $\text{cd}/(\text{lx m}^2)$  for separate performance retroreflective material according to section 6.1 of standard EN ISO 20471:2013/A1:2016

Observation angle	Entrance angle			
	5°	20°	30°	40°
12'	330	290	180	65
20'	250	200	170	60
1°	25	15	12	10
01°30'	10	7	5	4

### LIMITED FLAME SPREAD

#### REQUIREMENT ACCORDING EN 469:2020

- No specimen shall permit any part of the lowest boundary of any flame to reach the upper or either vertical edge
- No specimen shall give flaming or molten debris
- The afterglow time of each sample shall be  $\leq 2$  s. Any afterglow shall not spread from the carbonised area to the undamaged area after the cessation of flaming.
- For Method A, no specimen shall give hole formation of 5 mm or greater in any direction.
- The after flame time of each sample shall be  $\leq 2$  s

### DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE

#### REQUIREMENT ACCORDING EN 469:2020

Minimum coefficient of retroreflection in  $\text{cd}/(\text{lx m}^2)$  for separate performance retroreflective material according to section 6.2.2 of standard EN ISO 20471:2013/A1:2016

Observation angle Entrance angle	Position	Requirement after pre-treatment
12' / 5°	$\epsilon_1 = 0^\circ$ vertical	$\geq 100$ ( $\text{cd}/\text{lx}\cdot\text{m}^2$ )
12' / 5°	$\epsilon_2 = 90^\circ$ horizontal	



# RESULTS

## DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE

### Standard

EN ISO 20471:2013/A1:2016

### Equipment

Optronik rms 10 retroreflectometer 13320E06

### Test date

<b>Start date</b>	02/06/2022	<b>End date</b>	07/06/2022
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### Light lamp

CIE standard Illuminant A

### Measurement distance

A=15m

B=16m

### To determine the retroreflection coefficient is considered

$\epsilon_1 = 0^\circ$  vertical retroreflective strips.

$\epsilon_2 = 90^\circ$  Horizontal retroreflective strips.

### Variation between retroreflection coefficients

0.12 % No orientation-sensitive material

**Reference**

2022EP6899-S01

**Pre-treatment**

Original

**Sample size**100 cm<sup>2</sup>**Measurement distance**

A

Observation angle Entrance angle	Position	Result (cd/lx·m <sup>2</sup> )
12' / 5°	ε1 = 0° vertical	535.6
12' / 5°	ε2 = 90° horizontal	516

**Results**

2022EP6899-S01

Observation angle	Position	Result (cd/lx·m <sup>2</sup> )			
		Entrance angle			
		5°	20°	30°	40°
12'	ε1 = 0° vertical	535.6	445.7	374.5	318.6
20'	ε1 = 0° vertical	338.8	284.8	236.9	214.3
1°	ε1 = 0° vertical	60	70.98	75.92	51.59
1°30'	ε1 = 0° vertical	18.09	16.79	21.67	28.97
12'	ε2 = 90° horizontal	516	372	311	335.5
20'	ε2 = 90° horizontal	318.7	247.7	205.1	225.6
1°	ε2 = 90° horizontal	66.84	94.32	103.5	59.29
1°30'	ε2 = 90° horizontal	15.18	20.87	26.3	30.65

**Uncertainty**

±2% of the value measured

**Note**

Minimum coefficient of retroreflection in cd/(lx m<sup>2</sup>) for separate performance retroreflective material according to section 6.1 of standard EN ISO 20471:2013/A1:2016



## RESULTS

### PRE-TREATMENT FOR INDUSTRIAL WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING

**Standard**

EN ISO 15797:2018

**Washing procedure**

Table 4, procedure 2

**Washing cycles**

60

**Washing temperature**

75°C

**Driying procedure**

A (tumble dryer) - Industrial dryer 13010I12

**Driying temperature**

70°C

**Washing powder**

Detergent without brightener 13075N12

**Reference**

2022EP6899-S01

**Test date**

**Start date**

18/05/2022

**End date**

31/05/2022

Dry mass of the samples (Kg)	Counterweight mass (Kg)	Counterweight type	Equipment
0.2	12.3	COTTON / POLYESTER	LAVADORA INDUSTRIAL 2 13073E12



## RESULTS

### LIMITED FLAME SPREAD

#### Standard

EN ISO 15025:2016 Met.A

#### Equipment

Equipment for determination of limited flame spread 13008IE12

#### Test date

**Start date** 01/06/2022 **End date** 07/06/2022

#### Conditioned date

**Start date** 1/6/2022 **End date** 7/6/2022

#### Conditioned

24h in indoor ambient conditions at  $(20 \pm 2)$  °C and  $(65 \pm 5)$  % RH

#### Gas used

Propane gas

#### Face exposed to the flame

Outer

Reference	2022EP6899-S01.1		
Flaming to top or either side edge	NO	NO	NO
Post- After flame (s)	0	0	0
Afterglow time (s)	0	0	0
Melting	NO	NO	NO
Loose waste	NO	NO	NO
Inflammation of the filter paper detached from waste	NO	NO	NO
Hole formation	NO	NO	NO

#### Uncertainty

The uncertainty of the assay of limited flame spread is  $\pm 2\%$  of the value measured



# RESULTS

## DETERMINATION OF RETROREFLECTIVE PHOTOMETRIC PERFORMANCE

### Standard

EN ISO 20471:2013/A1:2016

### Equipment

Optronik rms 10 retroreflectometer 13320E06

### Test date

**Start date** 23/05/2022 **End date** 27/05/2022

### Light lamp

CIE standard Illuminant A

### Measurement distance

A=15m  
B=16m

### To determine the retroreflection coefficient is considered

$\epsilon_1 = 0^\circ$  vertical retroreflective strips.  
 $\epsilon_2 = 90^\circ$  Horizontal retroreflective strips.

### Variation between retroreflection coefficients

0.12 % No orientation-sensitive material

### Reference

2022EP6899-S01.2

#### Pre-treatment

Heat resistance 180°C

### Sample size

100 cm<sup>2</sup>

### Measurement distance

A

Observation angle Entrance angle	Position	Result (cd/lx·m <sup>2</sup> )
12' / 5°	$\epsilon_1 = 0^\circ$ vertical	532.6
12' / 5°	$\epsilon_2 = 90^\circ$ horizontal	522

### Uncertainty

±2% of the value measured

### Note

Minimum coefficient of retroreflection in cd/(lx m<sup>2</sup>) for separate performance retroreflective material according to section 6.2.2 of standard EN ISO 20471:2013/A1:2016



## RESULTS

### PRE-TREATMENT

**Standard**

ISO 17493:2016

**Conditioned**

24h in indoor ambient conditions at  $(20 \pm 2)$  °C and  $(65 \pm 5)$  % RH

**Test date****Start date**

16/05/2022

**End date**

20/05/2022

**Equipment**

Air stove

**Temperature**

$(180 \pm 5)$ °C

**Length of the test**

300 s

**Reference**

2022EP6899-S01



**Lucia Martinez**  
Head of PPE and Ballistics department



Date: 09/06/2022 11:15:31

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NIF: 21678551Q

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- 8- The uncertainties of the tests, which are made explicit in the Results Report, have been estimated for a  $k = 2$  (probability of coverage of 95%). If not informed, they are available to the client in AITEX.
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- 14- AITEX is not responsible for an inadequate state of the sample received that could compromise the validity of the results, expressing such circumstance, in the test reports.
- 15- When a Declaration of Conformity is requested, if not indicated otherwise, the decision rule according to ILAC-G8: 2009 will be applied with a security zone of 1U and a Probability of False Acceptance <2.5%.
- 16- This report may not be partially reproduced without the written approval of the issuing laboratory.
- 17- AITEX laboratories do not carry out sampling, so that the results of the test reports are applicable to the sample as it was received.

**2024EP1842**

## TEST REPORT

### DATE OF RECEPTION

*Date Format: dd/MM/yyyy* 25/04/2024

### DATE OF TESTS

Starting : 29/04/2024

Ending: 14/05/2024

### APPLICANT

XM TEXTILES POLSKA SP. Z O. O.

16 WOLNOŚCIOWA

PL-95-200 Pabianice

Poland

Att Irina Danilova

### REFERENCE OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2024EP1842-S01	XM-6011	Stripps

### TESTS CARRIED OUT

- PRE-TREATMENT FOR INDUSTRIAL WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING
- LIMITED FLAME SPREAD
- DETERMINATION OF HEAT RESISTANCE 180°C

Tests marked with \* are not included within the scope of the accreditation.





**DESCRIPTION OF SAMPLES**



**Reference by AITEX:** 2024EP1842-S01

**Reference by customer:**

XM-6011

**Information supplied by the customer**

- Composition and percentage 100% Cotton, FR
- Weight
- Color Silver
- Others (if any) 590

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AITEX Subsamples	Subsample Description
2024EP1842-S01_P1	REFLECTIVE TAPE AFTER WASH 50 CYCLES



## EXECUTIVE SUMMARY

	Reference	Test/Standard	Result
EN ISO 11612:2015	2024EP1842-S01_P1	DETERMINATION OF HEAT RESISTANCE 180°C ISO 17493:2016	PASS
	2024EP1842-S01_P1	LIMITED FLAME SPREAD EN ISO 15025:2016 Met.A	A1



## REQUIREMENT SUMMARY

### LIMITED FLAME SPREAD

#### REQUIREMENT ACCORDING EN ISO 11612:2015

- No specimen shall permit any part of the lowest boundary of any flame to reach the upper or either vertical edge
- No specimen shall give flaming or molten debris
- The afterglow time of each sample shall be  $\leq 2$  s. Any afterglow shall not spread from the carbonised area to the undamaged area after the cessation of flaming.
- For Method A, no specimen shall give hole formation of 5 mm or greater in any direction.
- The after flame time of each sample shall be  $\leq 2$  s

### DETERMINATION OF HEAT RESISTANCE 180°C

#### REQUIREMENT ACCORDING EN ISO 11612:2015

##### Fabric

No layer can melt and/or drip.

At 180°C not layer shrink by more than 5%.

Not layer must ignite.

##### Hardware

No hardware/strip/seam shall ignite or melt

Closures opens



## RESULTS

### PRE-TREATMENT FOR INDUSTRIAL WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING

**Standard**

EN ISO 15797:2018

**Washing procedure**

Table 4, procedure 2

**Washing cycles**

50

**Washing temperature**

75°C

**Drying procedure**

A (tumble drying) - Industrial drying

**Drying temperature**

70°C

**Washing powder**

Detergent without brightener

**Reference**

2024EP1842-S01

**Test date**

**Start date**

02/05/2024

**End date**

09/05/2024

Dry mass of the samples (Kg)	Counterweight mass (Kg)	Counterweight type	Equipment
0.11	12.5	COTTON / POLYESTER	INDUSTRIAL WASHING MACHINE 5

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2024EP1842-S01	XM-6011



# RESULTS

## LIMITED FLAME SPREAD

**Standard**

EN ISO 15025:2016 Met.A

**Equipment**

Equipment for determination of limited flame spread

**Test date**

**Start date** 29/04/2024 **End date** 14/05/2024

**Conditioned date**

**Start date** 30/04/2024 **End date** 09/05/2024

**Conditioned**

24h in indoor ambient conditions at  $(20 \pm 2)$  °C and  $(65 \pm 5)$  % RH

**Gas used**

Propane gas

**Face exposed to the flame**

Outer



### Reference

2024EP1842-S01

### Atmosphere for testing

**Temperature** 21.3 °C **Relative Humidity** 46.1 %

Flaming to top or either side edge	NO	NO	NO
Post- After flame (s)	0	0	0
Afterglow time (s)	0	0	0
Melting	NO	NO	NO
Loose waste	NO	NO	NO
Inflammation of the filter paper detached from waste	NO	NO	NO
Hole formation	NO	NO	NO
Closures can be opened	---	---	---

### Reference

2024EP1842-S01\_P1

### Atmosphere for testing

**Temperature** 21.8 °C **Relative Humidity** 34.2 %

Flaming to top or either side edge	NO	NO	NO
Post- After flame (s)	0	0	0
Afterglow time (s)	0	0	0
Melting	NO	NO	NO
Loose waste	NO	NO	NO
Inflammation of the filter paper detached from waste	NO	NO	NO
Hole formation	NO	NO	NO
Closures can be opened	---	---	---

### Uncertainty

The uncertainty of the assay of limited flame spread is  $\pm 2\%$  of the value measured

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2024EP1842-S01	XM-6011
2024EP1842-S01_P1	REFLECTIVE TAPE AFTER WASH 50 CYCLES



# RESULTS

## DETERMINATION OF HEAT RESISTANCE 180°C

**Standard**

ISO 17493:2016

**Equipment**

Air stove

**Test date**

**Start date** 09/05/2024      **End date** 13/05/2024

**Temperature**

(180 ± 5)°C

**Length of the test**

5 min (+0,15/-0) min

**Uncertainty**

± 1 %

**Reference**

2024EP1842-S01\_P1

Ignition	Melting	Separation	Hardware work correctly
NO	NO	NO	---

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2024EP1842-S01_P1	REFLECTIVE TAPE AFTER WASH 50 CYCLES



**Lucia Martinez**  
Head of PPE and Ballistics department



Date: 17/05/2024 9:08:07

Digitally Signed by: ISABEL LLOPIS LUMBRERAS -

NIF: 21678551Q

### Liability clauses

- 1- AITEX is liable only for the results of the methods of analysis used, as expressed in the report and referring exclusively to the materials or samples indicated in the same which are in its possession, the professional and legal liability of the Centre being limited to these. Unless otherwise stated, the samples were freely chosen and sent by the applicant.
- 2- AITEX shall not be liable in any case of misuse of the test materials nor for undue interpretation or use of this document. AITEX laboratories do not carry out sampling.
- 3- The Offer and / or Order to which the applicant gives approval through signature and seal, constitutes the Legally Executable Agreement in which AITEX is responsible for safeguarding and guaranteeing the absolute confidentiality of the management of all the information obtained or created during the performance of the contracted activities.
- 4- In the eventuality of discrepancies between reports, a check to settle the same will be carried out in the head offices of AITEX. Also, the applicants undertake to notify AITEX of any complaint received by them as a result of the report, exempting this Centre from all liability if such is not done, the periods of conservation of the samples being taken into account.
- 5- AITEX will provide at the request of the person concerned, the treatment of complaints procedure. In the event that you want to make it, direct it to: [calidad@aitex.es](mailto:calidad@aitex.es).
- 6- AITEX is not responsible for the information provided by customers, which is reflected in the Report, and may affect the validity of the results.
- 7- AITEX may include in its reports, analyses, results, etc., any other evaluation which it considers necessary, even when it has not been specifically requested.
- 8- The uncertainties of the tests, which are made explicit in the Results Report, have been estimated for a  $k = 2$  (probability of coverage of 95%). If not informed, they are available to the client in AITEX.
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- 16- This report may not be partially reproduced without the written approval of the issuing laboratory.
- 17- The tests have been carried out at the Alcoy plant with the address described on the first page of the report, unless another location is indicated in the results sheet of the specific test.