

CERTIFICATE OF TEST

Certificate of test nº

22EP6151

AITEX declares that the articles:

Given by the company:

"XM-8104/10"

Information supplied by the customer:

Fabric reference: XM-8104/10

Composition: PU+Polyester, Flame Retardant –

Reflective tape, EN20471, EN469, N/A

Color: Yellow HighViz

Others: XMT-20-312-YG

XM TEXTILES EUROPE UAB

Darius ir Gireno st. 42A Office 509

LT-02189

Vilnius

Complies with the requirements of the standard/s:

EN 469:2020. PROTECTIVE CLOTHING FOR FIREFIGHTERS. PERFORMANCE REQUIREMENTS FOR PROTECTIVE CLOTHING FOR FIREFIGHTING ACTIVITIES

6.2.1.1 Limited flame spread. Method A – (as received and x 50 washing cycles)

6.2.1.6 Heat resistance at 180°C – Pass (as received)

6.2.6 Visibility

SECTION	TEST	REQUISITES	RESULTS	REPORT No.
6.2.6.3	Determination of chromaticity coordinates - After heat resistance	According EN ISO 20471:2013/A1:2016 ≥ 30 (cd/m ² -lx)	Pass	2022EP6150
6.2.6.4	Photometric performance requirements for retroreflective material after heat resistance 180°C	According EN ISO 20471:2013/A1:2016 ≥ 30 (cd/m ² -lx)	Pass	2022EP6150
6.2.6.3	Photometric performance requirements for retroreflective material as new	Table 5 point 6.1, 6.2.3 EN ISO 20471:2013/A1:2016	Pass	2022EP6150
6.2.6.3	Photometric performance requirements for retroreflective material after 5000 Abrasion cycles in accordance with EN ISO 12947-2:2016	Section 6.2.3 ≥ 30 (cd/m ² -lx)	Pass	2022EP6150
6.2.6.3	Photometric performance requirements for retroreflective material after 7500 Flexion cycles in accordance with ISO 7854:1995	Section 6.2.3 ≥ 30 (cd/m ² -lx)	Pass	2022EP6150
6.2.6.3	Photometric performance requirements for retroreflective material after Folding at cold temperatures in accordance with ISO 4675:2017	Section 6.2.3 ≥ 30 (cd/m ² -lx)	Pass	2022EP6150
6.2.6.3	Photometric performance requirements for retroreflective material after Climatic ageing in accordance with EN ISO 20471:2013/A1:2016	Section 6.2.3 ≥ 30 (cd/m ² -lx)	Pass	2022EP6150
6.2.6.3	Photometric performance requirements for retroreflective material after Rainfall in accordance EN ISO 20471:2013/A1:2016 Annex C	Section 6.2.3 ≥ 15 (cd/m ² -lx)	Pass	2022EP6150
6.2.6.3	Photometric performance requirements for retroreflective material after 35 washing cycles in accordance with EN ISO 6330:2012 at 60°C method 6N drying method F	Section 6.2.3 ≥ 30 (cd/m ² -lx)	Pass	2022EP6150

EN ISO 15384:2020/A1:2021. PROTECTIVE CLOTHING FOR FIREFIGHTERS -- LABORATORY TEST METHODS AND PERFORMANCE REQUIREMENTS FOR WILDLAND FIREFIGHTING CLOTHING

6.1.2 Limited flame spread. Method A – Pass – (as received and x 35 washing cycles).

6.3 Heat resistance at 260°C – Pass - (x 35 washing cycles).

9.2 Retroreflective and/or fluorescent performance

SECTION	TEST	REQUISITES	RESULTS	REPORT No.
9.2	Determination of chromaticity coordinates - After 35 washing cycles and heat resistance	According EN ISO 20471:2013/A1:2016 ≥ 30 (cd/m ² -lx)	Pass	2022EP6150
6.3.2	Photometric performance requirements for retroreflective material after After 35 washing cycles at 60°C and drying type F in accordance with EN ISO 6330:2012 and heat resistance 180°C	According EN ISO 20471:2013/A1:2016 ≥ 30 (cd/m ² -lx)	Pass	2022EP6150
9.2	Photometric performance requirements for retroreflective material as new	Table 5 point 6.1, 6.2.3 EN ISO 20471:2013/A1:2016	Pass	2022EP6150
9.2	Photometric performance requirements for retroreflective material after 5000 Abrasion cycles in accordance with EN ISO 12947-2:2016	Section 6.2.3 ≥ 30 (cd/m ² -lx)	Pass	2022EP6150
9.2	Photometric performance requirements for retroreflective material after 7500 Flexion cycles in accordance with ISO 7854:1995	Section 6.2.3 ≥ 30 (cd/m ² -lx)	Pass	2022EP6150
9.2	Photometric performance requirements for retroreflective material after Folding at cold temperatures in accordance with ISO 4675:2017	Section 6.2.3 ≥ 30 (cd/m ² -lx)	Pass	2022EP6150
9.2	Photometric performance requirements for retroreflective material after Climatic ageing in accordance with EN ISO 20471:2013/A1:2016	Section 6.2.3 ≥ 30 (cd/m ² -lx)	Pass	2022EP6150
9.2	Photometric performance requirements for retroreflective material after Rainfall in accordance EN ISO 20471:2013/A1:2016 Annex C	Section 6.2.3 ≥ 15 (cd/m ² -lx)	Pass	2022EP6150
9.2	Photometric performance requirements for retroreflective material after 35 washing cycles in accordance with EN ISO 6330:2012 at 60°C method 6N drying method F	Section 6.2.3 ≥ 30 (cd/m ² -lx)	Pass	2022EP6150

Remark: washing instructions according to Standard EN ISO 6330:2012, 35 washing cycles at 60°C, method 6N and type F drying (tumble dryer).

Remark: The tests have been carried out in the following reports: 2022EP6150 (Date tests ending: 25/04/2022).

Complies with the requirements of the standard/s:

2022EP6150

Issued by AITEX on: 23/05/2022

This document is of application for the tested sample, according to the tests that have been done in the previously mentioned dates in the reports above shown. This does not implies any monitoring or control activity on this product done by AITEX.

This document is a test summary and does not imply a product certification.

Signed by: Raquel Muñoz González
Manager Innovation Area

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22EP6151

AITEX declares that the articles:

Given by the company:

"XM-8104/10"

Information supplied by the customer:
Fabric reference: XM-8104/10
Composition: PU+Polyester, Flame Retardant –
Reflective tape, EN20471, EN469, N/A
Color: Yellow HighViz
Others: XMT-20-312-YG

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Complies with the requirements of the standard/s:

EN ISO 20471:2013/A1:2016. HIGH VISIBILITY CLOTHING. TEST METHODS AND REQUIREMENTS

	TEST	RESULTS	REQUIREMENTS	REPORT No.
5.1	Determination of chromaticity coordinates - As received	x = 0,4110 y = 0,5340 βmin = 0,8300	x:0,3870 y:0,6100 x:0,3560 y:0,4940 x:0,3980 y:0,4520 x:0,4600 y:0,5400 βmin: 0,7000	2022EP6150
	Determination of chromaticity coordinates - After 35 washing cycles	x = 0,4080 y = 0,5310 βmin = 0,9100		
5.2	Determination of chromaticity coordinates - After Xenon test exposure	x = 0,4110 y = 0,5290 βmin = 0,7600		
7.3	Photometric performance requirements for retroreflective material as new	PASS	Table 5 point 6.1, 6.2.3 EN ISO 20471:2013/A1:2016	2022EP6150
7.4; 7.4.1	Photometric performance requirements for retroreflective material after 5000 Abrasion cycles in accordance with EN ISO 12947-2:2016	PASS	Section 6.2.3 ≥ 30 (cd/m²·lx)	2022EP6150
7.4; 7.4.2	Photometric performance requirements for retroreflective material after 7500 Flexion cycles in accordance with ISO 7854:1995	PASS	Section 6.2.3 ≥ 30 (cd/m²·lx)	2022EP6150
7.4; 7.4.3	Photometric performance requirements for retroreflective material after Folding at cold temperatures in accordance with ISO 4675:2017	PASS	Section 6.2.3 ≥ 30 (cd/m²·lx)	2022EP6150
7.4; 7.4.4	Photometric performance requirements for retroreflective material after Climatic ageing in accordance with EN ISO 20471:2013/A1:2016	PASS	Section 6.2.3 ≥ 30 (cd/m²·lx)	2022EP6150
7.4; 7.4.5	Photometric performance requirements for retroreflective material after Rainfall in accordance EN ISO 20471:2013/A1:2016 Annex C	PASS	Section 6.2.3 ≥ 15 (cd/m²·lx)	2022EP6150
7.4; 7.5.2	Photometric performance requirements for retroreflective material after 35 washing cycles in accordance with EN ISO 6330:2012 at 60°C method 6N drying method F	PASS	Section 6.2.3 ≥ 30 (cd/m²·lx)	2022EP6150

Remark: washing instructions according to Standard EN ISO 6330:2012, 35 washing cycles at 60°C, method 6N and type F drying (tumble dryer).
Remark: The tests have been carried out in the following reports: 2022EP6150 (Date tests ending: 25/04/2022).

The test results above indicated are shown in the testing report:

2022EP6150

Issued by AITEX on: 23/05/2022

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This document is a test summary and does not imply a product certification.

Signed by: Raquel Muñoz González
Manager Innovation Area