

CERTIFICATE OF TEST

Certificate of test n°

24EP3434

AITEX declares that the articles:

Given by the company:

“Artex-210”

According to information supplied by the customer:
Composition and percentage 93% M-Aramid, 5% P-Aramid, 2% AS FR-Twill 2/1
Weight 210 gsm
Color Navy
Others (if any) 621

XM TEXTILES POLSKA SP. Z O. O.

16 WOLNOŚCIOWA
PL-95-200 Pabianice
Poland

Complies with the requirements of the standard/s:

EN ISO 11612:2015. PROTECTIVE CLOTHING. CLOTHING TO PROTECT AGAINST HEAT AND FLAME.

Clause	TEST	RESULTS		REQUIREMENTS	REPORT No.
6.2.1	Heat resistance (180)°C after 50 washing cycles	Warp: 0 %	Weft: -0,3 %	No ignite, no melt and no shrink by more than 5%	2024EP3723
6.3	Limited flame spread as received and after 50 washing cycles (Procedure A)	A1		No specimen must ignite toward the top or toward the edges No specimen shall give hole formation of 5 mm or greater in any direction No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024EP3723
	Limited flame spread as received and after 50 washing cycles (Procedure B)	A2		No specimen must ignite toward the top or toward the edges No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024EP3723
6.4	Dimensional change after 5 washing cycles	Warp: -1,0 %	Weft: -1,0 %	≤ ± 3%	2024EP3723
6.5.1	Tensile strength after 50 washing cycles	Warp: 1900 N	Weft: 770 N	≥ 300 N	2024EP3723
6.5.2	Tear strength after 50 washing cycles	Warp: 59 N	Weft: 37,9 N	≥ 10 N	2024EP3723
7.2	Convective heat after 50 washing cycles	Level B1 HTI ^a 24: 8,7 s		Level B1 4 ≤ HTI ^a 24 < 10	2024EP3723
7.3	Radiant heat after 50 washing cycles	Level C1 RHTI ^a 24: 13,3 s		Level C1 7 ≤ RHTI ^a 24 < 20	2024EP3723
7.6	Contact heat after 50 washing cycles	Level F1 t: 9,36 s		Level F1 5 ≤ t < 10	2024EP3723

Remark: Washing instructions according to Standard EN ISO 6330:2021, method 6N and F type drying (type A1 tumble drying).

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

2024EP3723

Signed by: Lucía Martínez
Head of PPE and Ballistic
department

Issued by AITEX on: 23/09/2024.

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.

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16 WOLNOŚCIOWA
PL-95-200 Pabianice
Poland

Complies with the requirements of the standard/s:

EN ISO 11611:2015. PROTECTIVE CLOTHING. CLOTHING TO PROTECT AGAINST HEAT AND FLAME.

TEST		RESULTS		REQUIREMENTS	REPORT No.
Clause 6.2	Tensile strength after 50 washing cycles	Warp: 1900 N	Weft: 770 N	≥ 400 N	2024EP3723
Clause 6.3	Tear strength after 50 washing cycles	Warp: 59 N	Weft: 37,9 N	≥ 15 N	2024EP3723
Clause 6.7	Limited flame spread as received and after 50 washing cycles (Procedure A)	A1		No specimen must ignite toward the top or toward the edges No specimen shall give hole formation of 5 mm or greater in any direction No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024EP3723
	Limited flame spread as received and after 50 washing cycles (Procedure B)	A2		No specimen must ignite toward the top or toward the edges No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024EP3723
Clause 6.6	Dimensional change after 5 washing cycles	Warp: -1,0 %	Weft: -1,0 %	≤ ± 3%	2024EP3723
Clause 6.9	Radiant heat after 50 washing cycles	Class 1 RHTI ^a 24: 13,3 s		Class 1 7 ≤ RHTI ^a 24 < 16	2024EP3723
Clause 6.10	Electrical insulation after 50 washing cycles	1,78·10 ⁸ Ω		> 10 ⁵ Ω	2024EP3723

Remark: Washing instructions according to Standard EN ISO 6330:2021, method 6N and F type drying (type A1 tumble drying).

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Complies with the requirements of the standard/s:

EN 61482-2:2020. PROTECTIVE CLOTHING AGAINST THE THERMAL HAZARDS OF AN ELECTRIC ARC. PART 2: REQUERIMENTS.

Clause	TEST	RESULTS		REQUIREMENTS	REPORT No.
Clause 4.3.1	Heat resistance (180)°C after 50 washing cycles	Warp: 0 %	Weft: -0,3 %	No ignite, no melt and no shrink by more than 5%	2024EP3723
Clause 4.3.3	Limited flame spread after 50 washing cycles (Procedure A)	PASS		No specimen must ignite toward the top or toward the edges No specimen shall give hole formation of 5 mm or greater in any direction No specimen shall give flaming or molten debris The afterflame time is ≤ 2 s The afterglow time is ≤ 2 s	2024EP3723
Clause 4.3.4.1	Tensile strength after 50 washing cycles	Warp: 1900 N	Weft: 770 N	≥ 400 N	2024EP3723
Clause 4.3.4.2	Tear strength after 50 washing cycles	Warp: 59 N	Weft: 37,9 N	≥ 15 N	2024EP3723
Clause 4.3.5	Dimensional change after 5 washing cycles	Warp: -1,0 %	Weft: -1,0 %	≤ ± 3%	2024EP3723
Clause 4.4.3	Arc protection classes after 50 washing cycles	APC 1		APC 1	2024EP3723

EN 1149-5:2018. PROTECTIVE CLOTHING. ELECTROSTATIC PROPERTIES. PART 5 MATERIAL PERFORMANCE AND DESIGN REQUIREMENTS.

TEST	RESULTS	REQUIREMENTS	REPORT No.	
EN 1149-3:2004	Charge Decay test (Method 2) after 50 washing cycles	S = 0,9 t ₅₀ < 0,01 s	S > 0,2 or t ₅₀ < 4 s	2024EP3723

Remark: Washing instructions according to Standard EN ISO 6330:2021, method 6N and F type drying (type A1 tumble drying).

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