

# CERTIFICATE OF TEST

Certificate of test n°

**24EP0415**

AITEX declares that the articles:

Given by the company:

**“Poseidon-245”**

Information supplied by the customer:  
Fabric ref. Poseidon-245  
Weight 245 gsm  
Composition and percentage: 80% Cotton, 19% Polyester,  
1% Antistatic, FR-Twill 2/2  
Color Navy / Others (if any) 556

**XM TEXTILES POLSKA SP. Z O. O.**

16 WOLNOŚCIOWA  
PL-95-200  
Pabianice

Complies with the requirements of the standard/s:

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

TEST		RESULTS		REQUIREMENTS	REPORT No.
Clause 6.2.1	Heat resistance (180)°C after 5 washing cycles	Warp: -2 %	Weft: -1,6 %	No ignite, no melt and no shrink by more than 5%	2024EP0414
Clause 6.3	Limited flame spread as received and after 5 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	2024EP0414
	Limited flame spread as received and after 5 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	2024EP0414
Clause 6.4	Dimensional change after 5 washing cycles	Warp: -1,0 %	Weft: -1,0 %	≤ ± 3%	2024EP0414
Clause 6.5.1	Tensile strength after 5 washing cycles	Warp: 1200 N	Weft: 570 N	≥ 300 N	2024EP0414
Clause 6.5.2	Tear strength after 5 washing cycles	Warp: 22,9 N	Weft: 20,2 N	≥ 10 N	2024EP0414
Clause 7.2	Convective heat after 5 washing cycles	Level B1 HTI <sup>24</sup> : 5,8 s		Level B1 4 ≤ HTI <sup>24</sup> < 10	2024EP0414
Clause 7.3	Radiant heat after 5 washing cycles	Level C1 RHTI <sup>24</sup> : 12,2 s		Level C1 7 ≤ RHTI <sup>24</sup> < 20	2024EP0414
Clause 7.5	Molten aluminium splash after 5 washing cycles	Level D2 283 g		Level D2 200 ≤ g < 350	2024EP0414
Clause 7.5	Molten iron splash after 5 washing cycles	Level E3 202,99 g		Level E3 ≥ 200 g	2024EP0414
Clause 7.6	Contact heat after 5 washing cycles	Level F1 t <sub>i</sub> : 8,6 s		Level F1 5 ≤ t <sub>i</sub> < 10	2024EP0414

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:

**2024EP0414**

Signed by: Lucía Martínez  
Head of PPE and Ballistic  
department

Issued by AITEX on: 10/02/2021.

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.



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**XM TEXTILES POLSKA SP. Z O. O.**

16 WOLNOŚCIOWA  
PL-95-200  
Pabianice

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 5 washing cycles	Warp: 1200 N	Weft: 570 N	≥ 400 N	2024EP0414
Clause 6.3	Tear strength after 5 washing cycles	Warp: 22,9 N	Weft: 20,2 N	≥ 15 N	2024EP0414
Clause 6.7	Limited flame spread as received and after 5 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	2024EP0414
	Limited flame spread as received and after 5 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	2024EP0414
Clause 6.6	Dimensional change after 5 washing cycles	Warp: -1,0 %	Weft: -1,0 %	≤ ± 3%	2024EP0414
Clause 6.8	Small splashes of molten metal after 5 washing cycles	Class 1 19 drops		Class 1 15 ≤ drops < 25	2024EP0414
Clause 6.9	Radiant heat after 5 washing cycles	Class 1 RHT <sup>a</sup> 24: 12,2 s		Class 1 7 ≤ RHT <sup>a</sup> 24 < 16	2024EP0414
Clause 6.10	Electrical insulation after 5 washing cycles	8,92·10 <sup>6</sup> Ω		> 10 <sup>5</sup> Ω	2024EP0414

**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 5 washing cycles	S = 0,5 t <sub>50</sub> < 0,01 s	S > 0,2 or t <sub>50</sub> < 4 s	2024EP0414

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

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Head of PPE and Ballistic  
department