


# Fenix-240

65% POLYESTER / 35% COTTON  
240 GSM / TWILL 2/1



Fabric name	Fenix-240
Fabric weight	240 ± 5 gsm
Composition	65% Polyester, 35% Cotton
Full width	150 ± 2 cm
Weave	twill 2/1
Finishes	WR
Area of use	workwear jackets, trousers and coveralls
Washing instruction	

## Physical properties\*

			warp	weft
1	Tensile strength, N	ISO 13934-1:2013	1300	800
2	Tearing strength, N	ISO 13937-3:2000	40	40
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	4	
6	Colour Fastness To Washing (cotton+polyester) 60°C, min.	ISO 105-C06:2010		
	Colour change	ISO 105-C06:2010	4-5	
	Colour staining	ISO 105-C06:2010	3-4	
7	Colour Fastness To Perspiration, min.	ISO 105-E04:2013		
	Colour change		4-5	
	Colour staining		4-5	
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.

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# CERTIFICATE OF TEST

Certificate of test n°

**21EP1935**

AITEX declares that the articles:

Given by the company:

**"FABRIC REF.- FENIX-245"**

Information according to the customer:

Fabric reference: FENIX-245

Composition: 65% Polyester, 35% Cotton, 165gsm,

Twill 2/1, 245

Weight: 245

Color: Black / Others: 304

XM TEXTILES EUROPE UAB

Darius ir Gireno st. 42A Office 509

LT-02189

Vilnius

Complies with the requirements of the standard/s:

**EN 13034:2005+A1:2009 PROTECTION CLOTHING AGAINST LIQUID CHEMICALS PRODUCTS, ACCORDING TO POINT 4, TABLE 1:**

4.4 (in EN 14325:2004) Abrasion resistance (x 5 washing cycles, 6N, Tumble Dryer F) - LEVEL 6.

4.7 (in EN 14325:2004) Tear resistance (x 5 washing cycles, 6N, Tumble Dryer F) - LEVEL 3.

4.9 (in EN 14325:2004) Tensile strength (x 5 washing cycles, 6N, Tumble Dryer F) - LEVEL 6.

4.10 (in EN 14325:2004) Puncture resistance (x 5 washing cycles, 6N, Tumble Dryer F) - LEVEL 3.

4.12 and 4.13 (in EN 14325:2004) Liquid repellency and Resistance to penetration by liquids (x 5 washing cycles, 6N, Tumble Dryer F):

Sulphuric acid 30% (I<sub>R</sub> = 3; I<sub>P</sub> = 3)

Sodium hydroxide 10 % (I<sub>R</sub> = 3; I<sub>P</sub> = 3)

**Remark:** washing instructions according to Standard ISO 6330:2012, method 6N and type F drying (tumble dryer).

**Remark:** The tests have been carried out in the following reports: 2021EP1934 (Date tests ending: 16/07/2021).

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

**2021EP1934**

Issued by AITEX on: 22/07/2021.

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 imply 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

Firmado digitalmente por ISABEL LLOPIS LUMBRERAS  
Fecha: 2021.07.28 10:48:02 +0200'



# CERTIFICATE

## The company

**SHANGHAI XM GROUP LTD.**  
Room 2402-2403 Zhongyi International Commercial Plaza 1833  
Zhongshan North Road  
Shanghai 200061  
China

is granted authorisation according to STANDARD 100 by  
OEKO-TEX® to use the STANDARD 100 by OEKO-TEX®  
mark, based on our test report **BJ015 206122.1**



## for the following articles:

**Woven fabrics made of 100% CO, CO/PES, CO/PES/CF, CO/PA/CF (CF with anti-static function), piece-dyed (vat and disperse) (partly finished with flame retardant products accepted by OEKO-TEX®) or with water, soil or oil repellent finishing; woven fabric made of 100% PES, 100% PA, PES/EL, white, piece-dyed (disperse and acid) and finished, or woven fabric made of 100% PES, transfer printed (disperse incl. fluorescent colours) and finished, all with PAN coating; undyed or dyed (incl. fluorescent colours) knitted fabrics (incl. fleece) and UV protection fabrics made of 100% PES, PES/CO, PES/CV, 100% MAC, MAC/CO, MAC/CV, MAC/CO/PES, 100% PP, PP/PES, with or without spandex (EL) and with or without antistatic; dyed woven/knitted bonded fabric made of PES, PES/EL with or without PU, TPU, PTFE membrane laminated (based on material pre-certified according to STANDARD 100 by OEKO-TEX®)**

The results of the inspection made according to STANDARD 100 by OEKO-TEX®, Annex 4, **product class II** have shown that the above mentioned goods meet the human-ecological requirements of the STANDARD 100 by OEKO-TEX® presently established in Annex 4 for products with direct contact to skin.

The certified articles fulfil requirements of Annex XVII of REACH (incl. the use of azo colourants, nickel release, etc.), the American requirement regarding total content of lead in children's articles (CPSIA; with the exception of accessories made from glass) and of the Chinese standard GB 18401:2010 (labelling requirements were not verified).

The holder of the certificate, who has issued a conformity declaration according to ISO 17050-1, is under an obligation to use STANDARD 100 by OEKO-TEX® mark only in conjunction with products that conform with the sample initially tested. The conformity is verified by audits.

## The certificate BEWO 084394 is valid until 8/15/2023

Zurich, 7/22/2022

**Matz Bachmann**  
Managing Director

**Faisal Rizal**  
Ecology Team Leader

