



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

Physical properties*

			warp	weft
1	Tensile strength, N	ISO 13934-1:2013	1400	660
2	Tearing strength, N	ISO 13937-3:2000	56	54
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	4-5	
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		4-5	
	Wet		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

OEKO-TEX® STANDARD 100

SHANGHAI XM GROUP LTD.

is granted the OEKO-TEX® STANDARD 100 certification
and the right to use the trademark.

SCOPE

Woven fabrics made of 100% CO, CO/PES, CO/CF, 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) and finished, all with PAN coating; undyed or piece-dyed (incl. fluorescent colours) knitted fabrics (incl. fleece) and UV protection fabrics made of 100% PES, PES/CO, PES/CV, MAC/CO, MAC/CV, MAC/CO/PES, 100% PP, PP/PES, with or without spandex (EL) and antistatic fibers; woven fabric in PA, PES, or mixed with EL, or with PU, TPU, PTFE membrane laminated, or boned fabrics of above with white/piece-dyed PES or PA knitted fabrics (incl. polar fleece) & finished (incl. water/oil-repel, anti-stain) (based on material pre-certified according to OEKO-TEX® STANDARD 100)

PRODUCT CLASS

II (products with direct contact to skin) – Annex 4

Further compliance information (REACH, SVHC, POP, GB18401 etc.) can be found on [oeko-tex.com/en/faq](https://www.oeko-tex.com/en/faq).

The certificate is based on the test methods and requirements of the OEKO-TEX® STANDARD 100 that were in force at the time of evaluation.



This certificate BEWO 084394 is valid until
15.08.2024.

SUPPORTING DOCUMENTS

- ✓ Test report : BJ015 224706.1
- ✓ Declaration of conformity in accordance with EN ISO 17050-1 as required by OEKO-TEX®
- ✓ OEKO-TEX® Terms of Use (ToU)

Matz Bachmann
Managing Director

Dijana Ajdinovic
Ecology Team Leader

Zurich, 2023-07-21



TEST REPORT

2022EP6818

DATE OF RECEPTION

Date Format: dd/MM/yyyy 03/05/2022

DATE OF TESTS

Starting : 09/05/2022

Ending: 12/05/2022

APPLICANT

XM Textiles Europe UAB

Dariaus 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
2022EP6818-S01	Fabric ref. UNITEC-240	Fabric

TESTS CARRIED OUT

- PRE-TREATMENT FOR INDUSTRIAL WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING
- DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING

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





DESCRIPTION OF SAMPLES



Reference by AITEX: 2022EP6818-S01

Reference provided by the customer:

Fabric ref. UNITEC-240

Sample description:

Fabric ref. UNITEC-240

Composition and percentage 65% Polyester/35% Cotton, , Twill 2/1

Weight 240gsm

Color White

Others (if any) XMT-21-327-SRN

Reference by AITEX	Reference provided by the customer
2022EP6818-S01.1	Fabric ref. UNITEC-240 - AFTER WASH 1 cycle



RESULTS

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

Standard

EN ISO 15797:2018

Washing procedure

Table 4, procedure 1

Washing cycles

1

Washing temperature

85°C

Drying procedure

A (tumble dryer) - Industrial dryer 13010I12

Drying temperature

70°C

Washing powder

Detergent without brightener 13075N12

Reference

2022EP6818-S01

Test date**Start date**

10/05/2022

End date

10/05/2022

Dry mass of the samples (Kg)	Counterweight mass (Kg)	Counterweight type	Equipment
0.08	12.4	COTTON / POLYESTER	LAVADORA INDUSTRIAL 3 13482E05



RESULTS

DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING

Standard

EN ISO 5077:2008

Preparation, marking and measuring of fabric specimens according to EN ISO 3759:2011**Start date**

9/5/2022

End date

12/5/2022

Washing cycles

1

Uncertainty $\pm 0.4 \%$ **Reference**

2022EP6818-S01.1

Specimen	Direction	Dimensional change (%)
1	WARP	-3
	WEFT	+ 1.0

Note

Positive dimensional change indicates lengthening. Negative dimensional change indicates shrinkage



Lucia Martinez
Head of PPE and Ballistics department

Date: 16/05/2022 17:51:50

Digitally Signed by: LUCIA MARTINEZ MOLTO -

NIF:21651425F

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