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|---------------------|-------------------------------------------------------------------------------------|
| 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

The company

SHANGHAI XM GROUP LTD.
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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**



BEWO 084394 TESTEX

Tested for harmful substances
www.oeko-tex.com/standard100



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



CERTIFICATE OF TEST

Certificate of test nº

20CN0180

AITEX declares that the articles:

Given by the company:

"FABRIC UNITEC-240"

Information according to the customer:

Fabric reference: UNITEC-240

Composition and percentage: 65% Polyester and 35%

Cotton Twill 2/1

Weight: 240 gsm

Color: Orange HighViz // Others: S012020

SHANGHAI XM GROUP LTD
Room 2403,88 Guangxin Road
CN-200063
SHANGHAI

Complies with the requirements of the standard/s:

EN ISO 20471:2013/A1:2016 HIGH VISIBILITY WARNING CLOTHING FOR PROFESSIONAL USE, ACCORDING FOLLOWING POINTS:

5.1 Colour performance requirements of new material

5.2 Colour after Xenon test

5.3.1 Colour fastness to rubbing

5.3.2 Colour fastness to perspiration

5.3.3 Colour fastness to laundry

5.4 Dimensional change of background material (x 5 cycles washing, 6N, Tumble Dryer F).

5.5.1 Tensile strength of woven material

5.6.3 Physiological performance — Water vapour

7.5 Ageing

7.5.1. General

Colour after wash, according ISO 6330:2012, 5 washing cycles at 60°C, 6N, and Tumble Dryer, F.

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

2020CN0180

Issued by AITEX on: 20/04/2020

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

Firmado
digitalmente por
ISABEL[LLOPIS]
LUMBRERAS
Fecha: 2020.05.12
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