




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

Physical properties*

			warp	weft
1	Tensile strength, N	ISO 13934-1:2013	1200	560
2	Tearing strength, N	ISO 13937-3:2000	38	36
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	
	Colour staining	ISO 105-C06:2010	Cotton: 4-5	Polyester: 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		4	
	Wet		2-3	
9	Colour Fastness To Light	ISO 105-B02:2013	3-4	

* The values shown are indicative and may vary slightly from batch to batch.

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Report No.: 244461259a 001
Client: SHANGHAI XM GROUP LTD
Contact Information: Office 2403, 24th Floor, Zhongyi International Commercial Plaza, 1833
Zhongshan North Road, Shanghai, China
Contact Person: Jing wang

Sample Description as Declared:

No. Of Sample : One (1)
Fibre Content : poly65%/ctn35%
Material : (TEMPO-240,poly65%/ctn35%,Order:XMT-22-199)
Order : -
Colour : Black#1

**Applicant's Provided
Care Instruction/Label:**



Sample obtaining method: Sending by customer
Condition at delivery: Test item complete and undamaged.
Sample Receiving date: 2022-11-09
Testing Period: 2022-11-09 to 2022-11-14
Place of testing: Textiles laboratory Shanghai

For and on behalf of
TÜV Rheinland (Shanghai) Co., Ltd.

2022-11-15

Carmen Yan / Department Manager

Date

Name / Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

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Summary of Test Result(s):

Test parameter	Result	Failed Material No.
Dimensional Change To Washing	No Comment	-
Colour Fastness To Rubbing	No Comment	-
Colour Fastness To Washing	No Comment	-
Colour Fastness To Light	No Comment	-
Tensile Strength - Strip Test	No Comment	-
Tearing Strength - Single Tear Method	No Comment	-

Material List:

Material No.	Material	Color	Location
M001	Textile	Black	Woven fabric

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1. Dimensional Change To Washing

Test method : ISO 3759:2011 / ISO 6330:2021 / ISO 5077:2007

Test condition : Washing programme 6N, at 60°C, with 20g Non-phosphate detergent 3, 2kg
loading, tumble dry - delicate

Apparatus : Front-loading horizontal rotating drum type

M001RequirementAfter five washes

Warp -3.0%

-

Weft -0.5%

-

Remark : (+) = Extension
(-) = Shrinkage**2. Colour Fastness To Rubbing**

Test method : ISO 105-X12:2016

M001RequirementDry

-

- Length 4

- Width 4

Wet

-

- Length 2-3

- Width 2-3

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3.Colour Fastness To Washing

Test method : ISO 105-C06:2010

Test condition : C2S, 30 min mechanical wash at 60°C in 0.4% ECE reference detergent with phosphates and 0.1% sodium perborate with 25 steel balls

	<u>M001</u>	<u>Requirement</u>
Colour change	4	-
Colour staining		-
- Triacetate	4-5	
- Cotton	4-5	
- Polyamide	3	
- Polyester	4	
- Acrylic	4-5	
- Viscose	4-5	

4.Colour Fastness To Light

Test method : ISO 105-B02:2014

Apparatus : Xenon-arc lamp

	<u>M001</u>	<u>Requirement</u>
Grade	4	-

Remark : Up to grade 4

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5.Tensile Strength - Strip Test

Test method : ISO 13934-1:2013

	<u>M001</u>	<u>Requirement</u>
<u>Breaking force</u>		
Warp	1200N	-
Weft	630N	-

6.Tearing Strength - Single Tear Method

Test method : ISO 13937-2:2000

	<u>M001</u>	<u>Requirement</u>
Warp	45N	-
Weft	44N	-

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Sample Photo



- END -



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 (with vat and disperse dyestuffs) (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 (with disperse and acid dyestuffs) and finished [only 100% PES or 100% PA woven fabric with or without transparent PU coating (windproof) or water repellent (resistance)], partly 100% polyester woven fabric laminated with ... [Please scan QR code for full scope]

PRODUCT CLASS

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



This certificate BEWO 084394 is valid until
15.08.2026.

SUPPORTING DOCUMENTS

- ✓ Test report : BJ015 266840.1
- ✓ 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

Janine Kuchelmeister
Ecology Team Leader

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.

Zurich, 2025-07-24

