



Fabric name	Canvas-320
Fabric weight	320 ± 5 gsm
Composition	65% Polyester, 35% Cotton
Full width	150 ± 2 cm
Weave	canvas
Finishes	—
Area of use	professional workwear
Washing instruction	

Physical properties*

			warp	weft
1	Tensile strength, N	ISO 13934-1:2013	2400	1300
2	Tearing strength, N	ISO 13937-3:2000	100	95
3	Dimensional Stability To Washing, max.	ISO 6330:2000	3.0%	3.0%
4	Abrasion Resistance	ISO 12947-2:2002	> 20 000	
5	Pilling Resistance (after 1000 rev.)	ISO 12945-2:2000	3-4	
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		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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Test Report No.: 0154075788a 001

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Client: SHANGHAI XM GROUP LTD

Office 2403~2403, 24th Floor, Zhongyi International Commercial Plaza, 1833
Zhongshan North Road, Shanghai, China

Contact Person: Anna He

Sample Description As Declared :

No. Of Sample : One(1)
Sample Description : XNB-74-ZHJ Canvas-320 TC 65/35 1/1 320+/-
5GSM 58/59" RS*RS 58/59", Navy #C2

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



Sample Receiving date: 2014-11-24

Delivery condition: Apparent good, Samples tested as received

Test Period: 2014-11-24 to 2014-11-28

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



2014-11-28

Tina Wu / Department Manager

Date

Name/Position

Test result is drawn according to the kind and extent of tests performed.

This test report relates to the a. m. 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.

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Conclusion

	<u>M001</u>
Tensile Strength	#
Tearing Strength	#
Dimensional Stability To Washing	#
Abrasion Resistance	#
Pilling Resistance	#
Colour Fastness To Washing	#
Colour Fastness To Perspiration	#
Colour Fastness To Rubbing	#
Colour Fastness To Light	#

Note : P = Pass

= No Comment

N/A = Not Applicable

F = Fail

- = Did Not Perform

* = See Remark

Material list

Material No.	Material	Color	Location
M001	Textile	Navy #C2	Woven fabric

1. Tensile Strength – Strip Test

Test method : ISO 13934-1:2013

M001

Breaking force

Warp 2400N

Weft 1300N

2. Tearing Strength – Wing Rip Tear

Test method : ISO 13937-3:2000

M001

Warp

100N

Weft

96N

3. Dimensional Stability To Washing

Test method : ISO 3759:2011

ISO 5077:2007

ISO 6330:2000+A1:2008

Type of machine : Front-loading horizontal rotating drum type

Test programme

2A

Washing temperature

60 °C

Detergent

0.077% ECE Reference Detergent Without Phosphates, 0.02% Sodium

Perborate and 0.003% Bleach Activator (TAED) Solution

Loading

2kg loading

Drying procedure

Tumble dry – delicate

Ironing

Others

M001After one wash

Warp

-2.0%

Weft

Nil

Remark: (+) means extension and (-) means shrinkage

4. Abrasion Resistance – Determination Of Specimen Breakdown

Test method : ISO 12947-2:1998+Cor.1:2002

M001

No. of rubs to breakdown >20000Rubs

Remark: Up to 20000Rubs

5. Pilling Resistance – Modified Martindale Method

Test method : ISO 12945-2:2000

No. of rubs : 2000

M001

Rating

3-4

6. 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>
Colour change	4-5
Colour staining	
- Cotton	4-5
- Polyester	4-5

7. Colour Fastness To Perspiration

Test method : ISO 105-E04:2013

	<u>M001</u>	
	<u>Acid</u>	<u>Alkaline</u>
Colour change	4-5	4-5
Colour staining		
- Acetate	4-5	4-5
- Cotton	4-5	4-5
- Polyamide	4-5	4-5
- Polyester	4-5	4-5
- Acrylic	4-5	4-5
- Wool	4-5	4-5

8. Colour Fastness To Rubbing

Test method : ISO 105-X12:2001

	<u>M001</u>
<u>Dry</u>	
- Length	4-5
- Width	4-5
<u>Wet</u>	
- Length	4
- Width	4

9. Colour Fastness To Light

Test method : ISO 105-B02:2013, Method 2
Apparatus : Xenon-arc lamp

<u>Up to Grade 4</u>	<u>M001</u>
Grade	>4

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Sample Photo:



- END -

XM Textiles



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 bonded 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 Ajdovic
Ecology Team Leader

Zurich, 2023-07-21

