



# Forma-165

65% POLYESTER / 35% COTTON

165 GSM / TWILL 2/1

COMBED ULTRA SMOOTH\*



Fabric name	Forma-155
Fabric weight	165 ± 5 gsm
Composition	65% Polyester, 35% Cotton
Full width	150 ± 2 cm
Weave	twill 2/1
Finishes	—
Area of use	light working clothes
Washing instruction	

## Physical properties\*

			warp	weft
1	Tensile strength, N	ISO 13934-1:2013	1200	600
2	Tearing strength, N	ISO 13937-3:2000	30	30
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		3-4	
	Colour staining		3-4	
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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SHANGHAI XM GROUP LTD

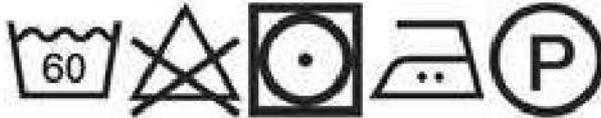
ROOM 2403, ZHONGYI INTERNATIONAL BUILDING, NO.1833 ZHONGSHAN NORTH ROAD, SHANGHAI

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A)Woven fabric: FORMA-165: (FORMA-165,65% poly/35% ctn twill 2/1 150cm 165GSM,Order: XMT-22-130-SW) Color:Black #1

Sample Color : (A)Black #1

Proposed Care Instruction :



Sample Receiving Date : Sep 27, 2022

Testing Period : Sep 27, 2022 - Sep 29, 2022

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Test Performed : Selected test(s) as requested by applicant

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd

*Alice Wang*

Alice Wang (Authorized Signatory)



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Test Result

**Dimensional Stability To Washing**

(ISO 3759:2011/ISO 5077:2007/ISO 6330:2021; Using horizontal axis, front-loading type machine; Procedure No.6N, Machine Wash At 60°C; with 2.0±0.2kg total dry mass (Type III (100% Polyester) Ballast+ Specimen) and 20±1 g ECE reference detergent 98 without optical brightener, Tumble Dry Low, Not Exceeding 60°C)

After 5 Washes

	Unit	A
Lengthwise	%	-2.0
Widthwise	%	-1.1

Remark: (+)Means Growth; (-)Means Shrinkage

**Colour Fastness To Rubbing**

(ISO 105-X12:2016; Size of rubbing finger: 16mm dia.)

As Received

	Unit	A
Dry Staining	Grade	4-5
Wet Staining	Grade	3-4

Remark: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is worst and 5 is best.



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**Colour Fastness To Washing**

(ISO 105-C06:2010; Test No.: C2S, Machine wash at 60°C with 4g/L ECE (B) and 1g/L Sodium Perborate with 25 Steel Balls)

	Unit	A
Change in Shade	Grade	4
Staining On Multi-fibre Stripe		
Triacetate	Grade	4
Cotton	Grade	4
Polyamide	Grade	3-4
Polyester	Grade	4
Acrylic	Grade	4-5
Viscose	Grade	4-5

Remark: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is worst and 5 is best.

\*\*\*End of Report\*\*\*



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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](http://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 Ajdihovic  
Ecology Team Leader

Zurich, 2023-07-21

