


# 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

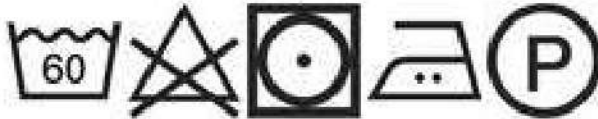
ROOM 2403, ZHONGYI INTERNATIONAL BUILDING, NO.1833 ZHONGSHAN NORTH ROAD, SHANGHAI

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:Navy #9

Sample Color : (A)Navy #9

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 | %    | -1.4 |
| 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 | 4-5 |
| Staining On Multi-fibre Stripe |       |     |
| Triacetate                     | Grade | 4-5 |
| Cotton                         | Grade | 4-5 |
| Polyamide                      | Grade | 4   |
| Polyester                      | Grade | 4-5 |
| 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](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 Ajdihovic  
Ecology Team Leader

Zurich, 2023-07-21

