

Unitec-240

65% POLYESTER / 35% COTTON

240 GSM / TWILL 2/1



| | |
|---------------------|---|
| 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 |
| 2 | Tearing strength, N | ISO 13937-3:2000 | 56 |
| 3 | Dimensional Stability To Washing, max. | ISO 6330:2000 | 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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The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A)Woven fabric (UNITEC-240,TC 65/35 240GSM twill 2/1
58/59",Order:XMT-20-091)

Sample Color : (A)Navy #2

Proposed Care Instruction :



Sample Receiving Date : Jul 22, 2020

Testing Period : Jul 22, 2020 - Jul 27, 2020

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 Testing Center

Hattie Chen (Account Executive)



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Test Result

Colour Fastness To Light

(ISO 105-B02:2014; Method 2 (Modified), use Xenon arc lamp, Exposure Cycle: A1, no flip-flop mode was used)

Comparison upto blue wool reference 4

| | Unit | (A) |
|--------------|------|-----|
| Grade(B.W.S) | - | 4 |

Colour Fastness To Rubbing

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

As Received

| | Unit | (A) |
|--------------|------|-----|
| Dry Staining | - | 4 |
| Wet Staining | - | 3 |

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

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 | - | 4-5 |
| Staining On Multi-fibre Stripe | | |
| Acetate | - | 4-5 |
| Cotton | - | 4-5 |
| Polyamide | - | 4-5 |
| Polyester | - | 4-5 |
| Acrylic | - | 4-5 |
| Wool | - | 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.

Dimensional Stability To Washing

(ISO 3759:2011/ISO 5077:2007/ISO 6330:2012; Using horizontal axis, front-loading type machine; Procedure No.6N, Machine Wash At 60 °C; with 2kg total dry mass (Type III (100% Polyester) Ballast+ Specimen), 'ECE(A)' detergent+ Sodium Perborate+ TAED, Tumble Dry Low, Less Than 60 °C)

After 1 Wash

| | Unit | (A) |
|------------|------|------|
| Lengthwise | % | -0.9 |
| Widthwise | % | -0.5 |

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

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Tearing Strength

(ISO 13937-2:2000;)

| | Unit | (A) |
|------------------------|------|-----|
| Warp/Length Yarns Torn | N | 58 |
| Weft/Width Yarns Torn | N | 52 |

The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

End of Report

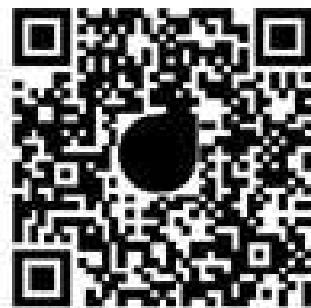
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BEWO 084394
TESTEX

**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)

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