


# 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	660
2	Tearing strength, N	ISO 13937-3:2000	56	54
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	4-5	
	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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SHANGHAI XM GROUP LTD

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

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  
15.08.2025.**

### **SUPPORTING DOCUMENTS**

- ✓ Test report : BJ015 245163.1
- ✓ Declaration of conformity in accordance with EN ISO 17050-1 as required by OEKO-TEX®
- ✓ OEKO-TEX® Terms of Use (ToU)

A handwritten signature in blue ink, appearing to read "M. Bachmann", written over a horizontal line.

**Matz Bachmann  
Managing Director**

A handwritten signature in blue ink, appearing to read "D. Ajdinovic", written over a horizontal line.

**Dijana Ajdinovic  
Ecology Team Leader**



# Unitec-240

65% POLIESTER / 35% BUMBAC  
240 GSM / TWILL 2/1



Numele materialului	Unitec-240
Greutatea materialului	240 ± 5 g/m <sup>2</sup>
Compoziție	65% poliester, 35% bumbac
Lățime completă	150 ± 2 cm
ese	twill 2/1
Finisaje	—
Domeniu de utilizare	jachete, pantaloni și salopete de lucru industriale
Instrucțiuni de spălare	

## Proprietăți fizice\*

			urzeală	bătătură
1	Rezistență la tracțiune, N	ISO 13934-1:2013	1400	660
2	Rezistență la rupere, N	ISO 13937-3:2000	56	54
Stabilitate tridimensională la spălare, max.		ISO 6330:2000	3,0%	3,0%
4	Rezistență la abraziune	ISO 12947-2:2002	> 30 000	
5	Rezistență la scămoșare (după 1000 rot.)	ISO 12945-2:2000	4	
6	Rezistența culorii la spălare (bumbac+poliester) 60°C, min.	ISO 105-C06:2010		
	Schimbare de culoare ISO 105-C06:2010		4-5	
	Colorare ISO 105-C06:2010		4-5	
7	Rezistența culorii la transpirație, min.	ISO 105-E04:2013		
	Schimbarea culorii		4-5	
	Colorarea culorilor		4-5	
	Rezistența culorii la frecare, min. 8	ISO 105-X12:2001		
	Uscat		4-5	
	Umed		3	
9	Rezistența culorii la lumină * Valorile	ISO 105-B02:2013	4	

afișate sunt orientative și pot varia ușor de la lot la lot.

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Raport de testare

SL52035273874901TX

Data: 27 iulie 2020

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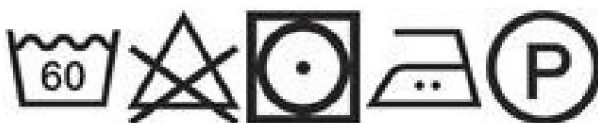
CAMERA 2403, CLĂDIREA INTERNAȚIONALĂ ZHONGYI NR. 1833, ȘOSEAUA ZHONGSHAN DE NORD, SHANGHAI

Următoarele mostre au fost trimise și identificate în numele clientului ca fiind:

Descrierea eșantionului (A) Material țesut (UNITEC-240, TC 65/35 240GSM twill 2/1 58/59", Comanda: XMT-20-091)

Culoare mostră (A)Marină #2

Instrucțiuni de îngrijire propuse:



Data primirii mostrei: 22 iulie 2020

Perioada de testare : 22 iulie 2020 - 27 iulie 2020

Rezultatul(e) testului Dacă nu se specifică altfel, rezultatele prezentate în acest raport de testare se referă numai la eșantionul/eșantioanele testate; pentru detalii suplimentare, vă rugăm să consultați pagina/paginile următoare.

Test efectuat Test(e) selectat(e) conform solicitării solicitantului

Semnat pentru și în numele

Centrul de testare SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Hattie Chen (Director de conturi)

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Raport de testare

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Data: 27 iulie 2020

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Rezultatul testului

### Rezistența culorii la lumină

(ISO 105-B02:2014; Metoda 2 (Modificată), se utilizează lampă cu arc xenon, Ciclu de expunere: A1, nu s-a utilizat modul bistabil)

### Comparație până la lâna albastră de referință 4

	Unitate	(O)
Grad (BWS)	-	4

### Rezistența culorii la frecare

(ISO 105-X12:2016; Dimensiunea degetului de frecare: diametru 16 mm)

#### Așa cum a fost primit

	Unitate	(A)
Colorare uscată	-	4
Colorare umedă	-	3

Observație: Evaluarea scalei de gri se bazează pe o scară în 5 trepte de la 1 la 5, unde 1 reprezintă cel mai slab, iar 5 cel mai bun.

### Rezistența culorii la spălare

(ISO 105-C06:2010; Nr. test: C2S, Spălare la mașină la 60°C cu 4g/L ECE (B) și 1g/L perborat de sodiu cu 25 de bile de oțel)

	Unitate	(A)
Schimbare de umbră	-	4-5
Colorarea pe dungi multifibre		
Acetat	-	4-5
Bumbac	-	4-5
Poliamidă	-	4-5
Poliester	-	4-5
Acril	-	4-5
Lână	-	4-5

Observație: Evaluarea pe scara de gri se bazează pe o scară în 5 trepte de la 1 la 5, unde 1 reprezintă cel mai slab, iar 5 cel mai bun.

### Stabilitate dimensională la spălare

(ISO 3759:2011/ISO 5077:2007/ISO 6330:2012; Utilizare mașină cu ax orizontal, încărcare frontală; Procedura nr. 6N, Spălare la mașină la 60°C; cu 2 kg masă totală uscată (Tip III (100% poliester) balast + mostră), detergent „ECE(A)” + perborat de sodiu + TAED, Uscare la uscător la temperatură scăzută, sub 60°C)

#### După 1 spălare

	Unitate	(O)
Pe lungime	%	-0,9
Pe lățime	%	-0,5

Observație: (+) Creștere medie; (-) Contractie medie

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Rezistență la rupere

(ISO 13937-2:2000; )

	Unitate	(A)
Fire de urzeală/lungime rupte	N	58
Fire rupte în bătătură/lățime	N	52

Declarația de conformitate din acest raport de testare se bazează exclusiv pe valorile măsurate de laborator și nu ia în considerare incertitudinile acestora.

\*\*\*Sfârșitul raportului\*\*\*



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TESTEX**

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15.08.2025.**

### **SUPPORTING DOCUMENTS**

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- ✓ OEKO-TEX® Terms of Use (ToU)

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**Matz Bachmann  
Managing Director**

A handwritten signature in blue ink, appearing to read "D. Ajdinovic", written over a horizontal line.

**Dijana Ajdinovic  
Ecology Team Leader**