



Fabric name	Builder-240
Fabric weight	240gsm $\pm$ 3%
Composition	100% cotton
Full width	150cm
Weave	twill 3/1
Finishes	-
Area of use	multi seasonal workwear
Washing instruction	

Physical properties

			warp	weft
1	Tensile strength, N	ISO 13934-1:2013	1400	800
2	Tearing strength, N	ISO 13937-3:2000	25	25
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	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	4	
7	Colour Fastness To Perspiration, min.	ISO 105-E04:2013		
	Colour change		4-5	
	Colour staining		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	

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SHANGHAI XM GROUP LTD

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

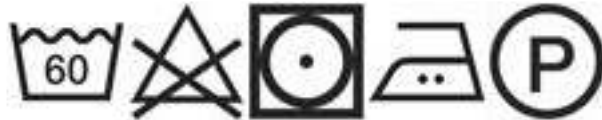
The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A)Woven fabric (BUILDER-240: (BUILDER-240,100% cotton, 240 gsm, Order: XMT-20-023)

Composition : (A)100% cotton

Sample Color : (A)Palace Blue #3

Proposed Care Instruction :



Sample Receiving Date : Jun 29, 2020

Testing Period : Jun 29, 2020 - Jul 02, 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

Hattie Chen (Account Executive)

Digitally signed by Cozac Svetlana

Date: 2020.02.16 14:13:33 EET

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Location: Moldova

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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	-	4-5
Wet Staining	-	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.

Colour Fastness To Washing

(ISO 105-C06:2010; Test No.: C2S, Machine wash at 60°C with 4 g/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
Polyester	-	4-5
Acrylic	-	4-5
Wool	-	4

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 mas s (Type I (100% Cotton) Ballast+ Specimen), 'ECE(A)' detergent+ Sodium Perborate+ TAED, Tumble Dry Low, Less Than 60°C)

After 1 Wash

-	Unit	(A)
Lengthwise	%	-2.9
Widthwise	%	-2.3

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



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Tearing Strength

(ISO 13937-2:2000;)

-	Unit	(A)
Warp/Length Yarns Torn	N	30
Weft/Width Yarns Torn	N	21

End of Report



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Test Report **SL52035261735801TX** **Date: July 02, 2020** **Page 1 of 3**
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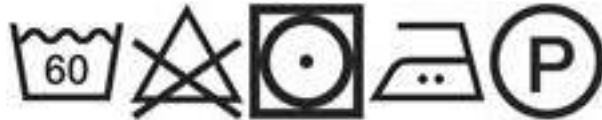
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Hattie Chen

Hattie Chen (Account Executive)

Digitally signed by Cozac Svetlana
 Date: 2026.02.16 14:25:18 EET
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Comparison upto blue wool reference 4

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

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 I (100% Cotton) Ballast+ Specimen), 'ECE(A)' detergent+ Sodium Perborate+ TAED, Tumble Dry Low, Less Than 60°C)

After 1 Wash

-	Unit	(A)
Lengthwise	%	-2.9
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Remark: (+)Means Growth; (-)Means Shrinkage



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