

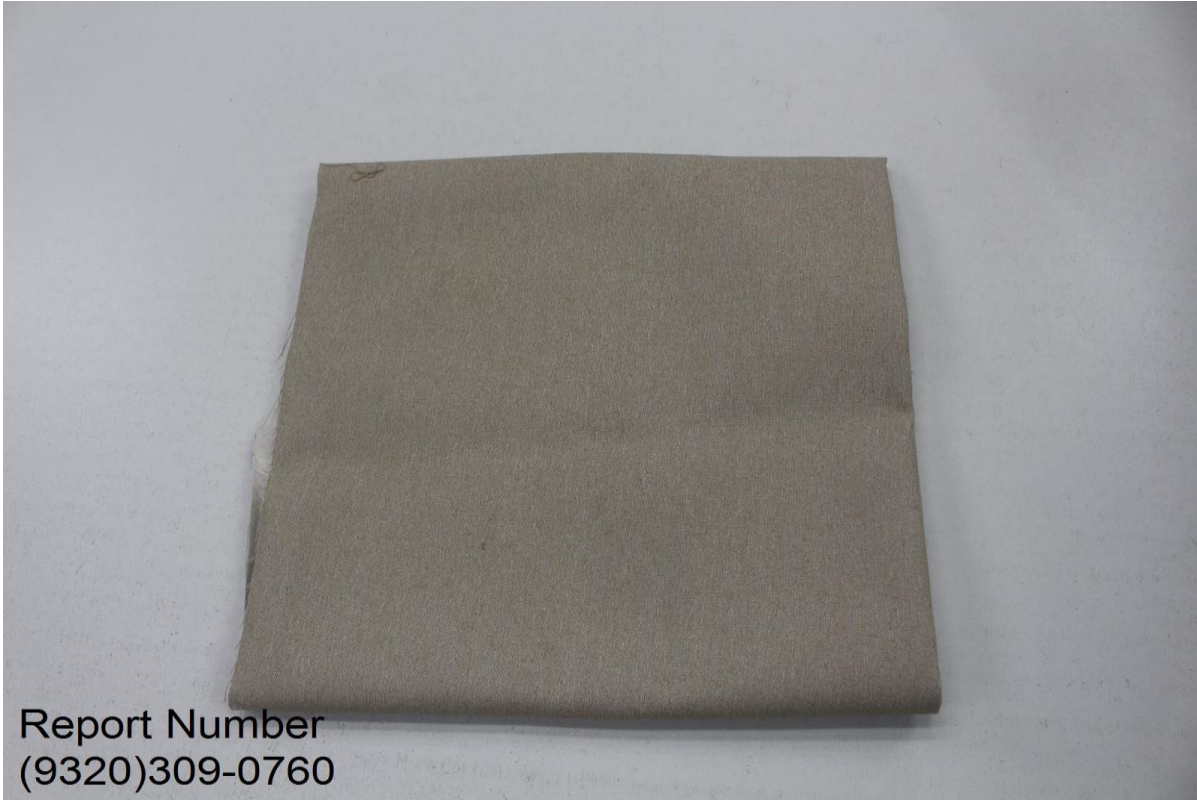


**BUREAU  
VERITAS**

# TEST REPORT

**Technical Report:** (9320)309-0760

Page 1 of 6  
November 11, 2020



**Report Number**  
**(9320)309-0760**

**Bureau Veritas Consumer Products Services  
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# TEST REPORT

**TO : AXROMA TECHNICAL TEXTILES CO LTD  
NO.25 YUZHOU(SOUTH) HAIZHOU  
DEVELOPMENT ZONE  
LIANYUNGANG, JS,  
CHINA**

**LAB NO.:** (9320)309-0760  
**FORM NO.:** /  
**DATE IN:** Nov 04, 2020  
**DATE OUT:** Nov 11, 2020  
**NO. OF WORKING DAYS:** /  
**PAGE 2 OF 6**

**ATTN : TYPHOON**

<u>OVERALL RATING</u>	
PASS	<u>    X    </u>
FAIL	<u>          </u>
DATA	<u>          </u>

<b>Vendor:</b>	/	<b>Agent:</b>	/
<b>Fabric Supplier/Mill:</b>	/	<b>Factory/Manufacturer:</b>	/
<b>P.O. No.:</b>	/	<b>Style No.:</b>	FLAX 602.102
<b>Sample Description:</b>	100% SOLUTION-DYED OLEFIN	<b>Style Description:</b>	/
<b>Color:</b>	FLAX	<b>Country of Origin:</b>	/
<b>Claimed Fabric Weight:</b>	/	<b>Claimed Fabric Count:</b>	/
<b>Yarn Size:</b>	/	<b>Submitted Size:</b>	/
<b>Size Range:</b>	/	<b>FPU No.:</b>	/
<b>GPU No.:</b>	/	<b>End Use:</b>	CUSHION, PILLOW
<b>SKU:</b>	/	<b>Age Group:</b>	/

<b>Product Category</b>	FABRIC
<b>Test Requested</b>	SEE TEST PROPERTY
<b>Previous Report No.</b>	/

<b>Submitted Fiber Content</b>	100% OLEFIN
<b>Actual Fiber Content</b>	/
<b>Suggested Fiber Content</b>	/
<b>Submitted Care Instruction(s)</b>	/
<b>Client Expected Care Instruction</b>	/
<b>Suggested Care Instruction(s)</b>	/

TEST PROPERTY	PASS	FAIL	DATA	COMMENTS
TENSILE PROPERTIES OF FABRICS: GRAB METHOD	X			
TEAR PROPERTIES OF FABRICS: BALLISTIC PENDULUM METHOD (ELMENDORF)	X			
SEAM SLIPPAGE	X			
FABRIC PROPENSITY TO SURFACE FUZZING AND TO PILLING: MODIFIED MARTINDALE METHOD	X			
DETERMINATION OF FABRIC WEIGHT			X	SEE RESULT
COLOURFASTNESS TO SEA WATER	X			
COLOURFASTNESS TO RUBBING	X			
COLOURFASTNESS TO DOMESTIC AND COMMERCIAL LAUNDERING	X			
COLOURFASTNESS TO CHLORINATED WATER	X			
COLOURFASTNESS TO BLEACHING: PEROXIDE				RECOMMENDED
COLOURFASTNESS TO BLEACHING: HYPOCHLORITE				NOT RECOMMENDED
COLORFASTNESS TO LIGHT	X			
ABRASION RESISTANCE OF FABRICS BY MARTINDALE METHOD: SPECIMEN BREAKDOWN			X	SEE RESULT

**TECHNICAL QUESTIONS** (86)20-22902088  
bvcps\_pyinfo@cn.bureauveritas.com

**GENERAL INFORMATION** (86)20-22902088  
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**SIGNATURES** Bureau Veritas Consumer Products Services (Guangzhou)  
Co., Ltd



Apollo Luo  
Senior Manager

<u>TEST PROPERTY</u>	<u>TEST RESULTS</u>	<u>REQUIREMENTS</u>
<b><u>TENSILE PROPERTIES OF FABRICS: GRAB METHOD</u></b> (BS EN ISO 13934-2:2014)		
WARP (N)	1968.1	MIN. 250.0 N
WEFT (N)	1696.6	MIN. 250.0 N
<b><u>TEAR PROPERTIES OF FABRICS: BALLISTIC PENDULUM METHOD (ELMENDORF)</u></b> (ISO 13937-1:2000/ BS EN ISO 13937-1:2000)		
ACROSS WARP (N)	94.5	MIN. 20.0 N
ACROSS WEFT (N)	90.2	MIN. 20.0 N
<b><u>SEAM SLIPPAGE</u></b> (BS EN ISO 13936-1, AT 4 MM SEAM OPENING)		
WARP WAY SEAM - SEAM SLIPPAGE (N)	NSS	MIN. 180.0 N
WEFT WAY SEAM - SEAM SLIPPAGE (N)	NSS	MIN. 180.0 N
REMARK:NSS-NO SEAM SLIPPAGE		
<b><u>FABRIC PROPENSITY TO SURFACE FUZZING AND TO PILLING: MODIFIED MARTINDALE METHOD</u></b> (BS EN ISO 12945-2)		
500 CYCLES		
AFTER REVOLUTIONS (GRADE)	4-5	/
2000 CYCLES		
AFTER REVOLUTIONS (GRADE)	4-5	/
5000 CYCLES		
AFTER REVOLUTIONS (GRADE)	4-5	/
7000 CYCLES		
AFTER REVOLUTIONS (GRADE)	4-5	/
10000 CYCLES		
AFTER REVOLUTIONS (GRADE)	4-5	/
15000 CYCLES		
AFTER REVOLUTIONS (GRADE)	4-5	MIN. GRADE 4-5
<b><u>PILLING RATING</u></b>		
GRADE 5	NO CHANGE	
GRADE 4	SLIGHT SURFACE FUZZING AND / OR PARTIALLY FORMED PILLS	
GRADE 3	MODERATE SURFACE FUZZING AND / OR MODERATE PILLING. PILLS OF VARYING SIZE AND DENSITY PARTIALLY COVERING THE SPECIMEN SURFACE.	
GRADE 2	DISTINCT SURFACE FUZZING AND / OR DISTINCT PILLING. PILLS OF VARYING SIZE AND DENSITY COVERING A LARGE PROPORTION OF THE SPECIMEN SURFACE.	
GRADE 1	DENSE SURFACE FUZZING AND / OR SEVERE PILLING. PILLS OF VARYING SIZE AND DENSITY COVERING THE WHOLE OF THE SPECIMEN SURFACE.	

C/N

**TEST RESULTS**

<b><u>TEST PROPERTY</u></b>		<b><u>REQUIREMENTS</u></b>
<b><u>DETERMINATION OF FABRIC WEIGHT</u></b> (BS EN 12127: 1998 / ISO 3801: 1977)		
G. / SQ. M	284	-5 TO +10 %
OZ / SQ. YD	8.38	-5 TO +10 % As Claim (N/A)
<b><u>COLOURFASTNESS TO SEA WATER</u></b> (BS EN ISO 105-E02: 2013)		
COLOUR CHANGE	4-5	MIN. GRADE 4-5
<u>COLOUR STAIN ON</u>		
ACETATE	4-5	MIN. GRADE 4-5
COTTON	4-5	MIN. GRADE 4-5
NYLON	4-5	MIN. GRADE 4-5
POLYESTER	4-5	MIN. GRADE 4-5
ACRYLIC	4-5	MIN. GRADE 4-5
WOOL	4-5	MIN. GRADE 4-5
<b><u>COLOURFASTNESS TO RUBBING</u></b> (BS EN ISO 105-X12:2016)		
LENGTH		
DRY	4-5	MIN. GRADE 4-5
WET	4-5	MIN. GRADE 3-4
WIDTH		
DRY	4-5	MIN. GRADE 4-5
WET	4-5	MIN. GRADE 3-4
<b><u>COLOURFASTNESS TO DOMESTIC AND COMMERCIAL LAUNDERING</u></b> (ISO 105-C06:2010, TEST NO: A2S)		
COLOUR CHANGE	4-5	MIN. GRADE 4-5
<u>COLOUR STAIN ON</u>		
ACETATE	4-5	MIN. GRADE 4-5
COTTON	4-5	MIN. GRADE 4-5
POLYAMIDE	4-5	MIN. GRADE 4-5
POLYESTER	4-5	MIN. GRADE 4-5
ACRYLIC	4-5	MIN. GRADE 4-5
WOOL	4-5	MIN. GRADE 4-5
<b><u>COLOURFASTNESS TO CHLORINATED WATER</u></b> (BS EN ISO 105-E03: 2010, 50 mg/l ACTIVE CHLORINE SOLUTION)		
COLOUR CHANGE	4-5	MIN. GRADE 4-5

**TEST RESULTS**

**TEST PROPERTY**

**REQUIREMENTS**

**COLOURFASTNESS TO BLEACHING: PEROXIDE** (ISO 105-N02:1993, BS EN ISO 105-N02:1995/ DIN EN ISO 105-N02:1995/ UNE EN ISO 105-N02:1996, BLEACHING BATH 1)

COLOUR CHANGE	4-5	MIN. GRADE 4-5
<u>COLOUR STAIN ON</u>		
ACETATE	4-5	MIN. GRADE 4-5
COTTON	4-5	MIN. GRADE 4-5
NYLON	4-5	MIN. GRADE 4-5
POLYESTER	4-5	MIN. GRADE 4-5
ACRYLIC	4-5	MIN. GRADE 4-5
WOOL	4-5	MIN. GRADE 4-5

**COLOURFASTNESS TO BLEACHING: HYPOCHLORITE** (ISO 105-N01:1993)

COLOUR CHANGE	3-4	MIN. GRADE 4-5
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**COLOURFASTNESS TO LIGHT** (AATCC 16.3-14, OPTION 3, WATER COOLED XENON-ARC LAMP, 80 AFU)

COLOR CHANGE (80 AFU)	4.5	MIN. GRADE 3.0
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**ABRASION RESISTANCE OF FABRICS BY MARTINDALE METHOD: SPECIMEN BREAKDOWN** (ISO 12947-2:2016)

COLOUR CHANGE @10000 CYCLES	4-5	
COLOUR CHANGE @20000 CYCLES	4-5	
COLOUR CHANGE @30000 CYCLES	4-5	
COLOUR CHANGE @40000 CYCLES	4	
COLOUR CHANGE @50000 CYCLES	4	
SPECIMEN WEIGHT (MG) BEFORE ABRASION	329.9	
NO. OF ABRASION CYCLES	50000	
SPECIMEN WEIGHT (MG) AFTER ABRASION	294.1	
WEIGHT LOSS (MG)	35.8	/
WEAR INDEX (I) %	0.07	/

**COLOURFASTNESS RATING**

GRADE 5	NEGLIGIBLE OR NO CHANGE OR STAINING
GRADE 4	SLIGHTLY CHANGED OR STAINED
GRADE 3	NOTICEABLY CHANGED OR STAINED
GRADE 2	CONSIDERABLY CHANGED OR STAINED
GRADE 1	MUCH CHANGED OR STAINED