



**BUREAU
VERITAS**

TEST REPORT

Technical Report: (9320)309-0759 REVISED

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November 12, 2020



Report Number
(9320)309-0759

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**BUREAU
VERITAS**

TEST REPORT

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

LAB NO.: (9320)309-0759
FORM NO.: /
DATE IN: Nov 04, 2020
DATE OUT: Nov 11, 2020
REVISED DATE: Nov 12, 2020
NO. OF WORKING DAYS: /
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ATTN : TYPHOON

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

Vendor:	/	Agent:	/
Fabric Supplier/Mill:	/	Factory/Manufacturer:	/
P.O. No.:	/	Style No.:	JADE 401.210
Sample Description:	100% SOLUTION-DYED OLEFIN	Style Description:	/
Color:	GREEN	Country of Origin:	/
Claimed Fabric Weight:	/	Claimed Fabric Count:	/
Yarn Size:	/	Submitted Size:	/
Size Range:	/	FPU No.:	/
GPU No.:	/	End Use:	CUSHION, PILLOW
SKU:	/	Age Group:	/

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

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

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	SEE RESULT
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
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Co., Ltd

Apollo Luo
Senior Manager**GENERAL
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<u>TEST PROPERTY</u>	<u>TEST RESULTS</u>	<u>REQUIREMENTS</u>
<u>TENSILE PROPERTIES OF FABRICS: GRAB METHOD</u> (BS EN ISO 13934-2:2014)		
WARP (N)	1581.9	MIN. 250.0 N
WEFT (N)	1466.0	MIN. 250.0 N
<u>TEAR PROPERTIES OF FABRICS: BALLISTIC PENDULUM METHOD (ELMENDORF)</u> (ISO 13937-1:2000/ BS EN ISO 13937-1:2000)		
ACROSS WARP (N)	> 106.0	MIN. 20.0 N
ACROSS WEFT (N)	> 106.0	MIN. 20.0 N
<u>SEAM SLIPPAGE</u> (BS EN ISO 13936-1, AT 4 MM SEAM OPENING)		
WARP WAY SEAM - SEAM SLIPPAGE (N)	200.5	MIN. 180.0 N
WEFT WAY SEAM - SEAM SLIPPAGE (N)	NSS	MIN. 180.0 N
REMARK:NSS-NO SEAM SLIPPAGE		
<u>FABRIC PROPENSITY TO SURFACE FUZZING AND TO PILLING: MODIFIED MARTINDALE METHOD</u> (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	/
7000 CYCLES		
AFTER REVOLUTIONS (GRADE)	4	/
10000 CYCLES		
AFTER REVOLUTIONS (GRADE)	3-4	/
15000 CYCLES		
AFTER REVOLUTIONS (GRADE)	3	MIN. GRADE /
<u>PILLING RATING</u>		
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

<u>TEST PROPERTY</u>	<u>TEST RESULTS</u>	<u>REQUIREMENTS</u>
<u>DETERMINATION OF FABRIC WEIGHT</u> (BS EN 12127: 1998 / ISO 3801: 1977)		
G. / SQ. M	277	-5 TO +10 %
OZ / SQ. YD	8.17	-5 TO +10 % As Claim (N/A)
<u>COLOURFASTNESS TO SEA WATER</u> (BS EN ISO 105-E02: 2013)		
COLOUR CHANGE	4-5	MIN. GRADE 4-5
CROSS STAIN	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
<u>COLOURFASTNESS TO RUBBING</u> (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
<u>COLOURFASTNESS TO DOMESTIC AND COMMERCIAL LAUNDERING</u> (ISO 105-C06:2010, TEST NO: A2S)		
COLOUR CHANGE	4-5	MIN. GRADE 4-5
SELF - STAINING	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
<u>COLOURFASTNESS TO CHLORINATED WATER</u> (BS EN ISO 105-E03: 2010, 50 mg/l ACTIVE CHLORINE SOLUTION)		
COLOUR CHANGE	4-5	MIN. GRADE 4-5

C/N

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	323.6	
NO. OF ABRASION CYCLES	50000	
SPECIMEN WEIGHT (MG) AFTER ABRASION	249.6	
WEIGHT LOSS (MG)	74.0	/
WEAR INDEX (I) %	0.15	/

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