

Test Report No.: 0154074606a 001

Page 1 of 5

Client: SHANGHAI XM GROUP LTD

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Contact Person: Anna He

Sample Description As Declared :

No. Of Sample : One(1)
Sample Description : GABRIELA-270 100% polyester TPU, WR, 270gsm

**Applicant's Provided
Care Instruction/Label:**



Sample Receiving date: 2014-11-17

Delivery condition: Apparent good, Samples tested as received

Test Period: 2014-11-17 to 2014-11-21

For and on behalf of
TÜV Rheinland (Shanghai) Co., Ltd.



2014-11-21

Tina Wu / Department Manager

Date

Name/Position

*Test result is drawn according to the kind and extent of tests performed.
This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be
duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.*

Conclusion

	M001
Dimensional Change To Washing	#
Bursting Strength	#
Colour Fastness To Washing	#
Hydrostatic Pressure Test	#
Air Permeability	#
Water Vapour Permeability	#

Note : P = Pass

= No Comment

N/A = Not Applicable

F = Fail

- = Did Not Perform

* = See Remark

Material list

Material No.	Material	Color	Location
M001	Textile	Navy	Fabric

1. Dimensional Change To Washing

Test method : ISO 3759:2011 / ISO 6330:2012 / ISO 5077:2007
 Apparatus : Front-loading horizontal rotating drum type
 Test condition : Washing programme 4N, at 40 °C, with 20g Non-phosphate detergent 3, 2kg loading (Type III), line dry

After one wash
 Warp M001 -1.1%
 Weft Nil

Remark: (+) = Extension
 (-) = Shrinkage

2. Bursting Strength

Test method : ISO 13938-1:1999
 Test area : 7.3 cm²

Mean bursting strength M001 >1050kPa

3. Colour Fastness To Washing

Test method : ISO 105-C06:2010
 Test condition : A2S, 30 min mechanical wash at 40 °C in 0.4% ECE reference detergent with phosphates and 0.1% sodium perborate with 10 steel balls

Colour change M001 4-5
 Colour staining
 - Triacetate 4-5
 - Cotton 4-5
 - Polyamide 4-5
 - Polyester 4-5
 - Acrylic 4-5
 - Wool 4-5

4. Hydrostatic Pressure Test

Test method : ISO 811:1981

Pressure M001
 Average >10000mmH₂O

Test Report No.: 0154074606a 001

Page 4 of 5

5. Water Vapour Permeability

Test method : BS 7209:1990

Water vapour permeability $\frac{M001}{380.8g/m^2/24h}$



Test Report No.: 0154074606a 001

Page 5 of 5

Sample Photo:



- END -

A large, stylized logo for 'XMA Textiles'. The letters 'XMA' are in a grey, cursive font, and 'Textiles' is in a green, cursive font. A green ribbon-like shape weaves through the letters.