

Test Report No.: 0154150175a 001

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Client: SHANGHAI XM GROUP LTD

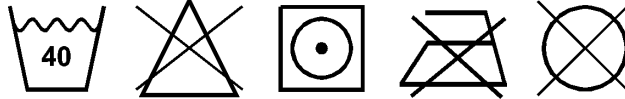
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Contact Person: Xia Qianqian

Sample Description As Declared :

No. Of Sample : One(1)
Sample Description : Oxford-250 100% poly, 250GSM PU 600mm, 150cm

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



Sample Receiving date: 2016-03-01
Delivery condition: Apparent good, Samples tested as received
Test Period: 2016-03-01 to 2016-03-08

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



2016-03-08

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

	<u>M001</u>
Dimensional Change To Washing	#
Tearing Strength - Single Tear Method	#
Tensile Strength – Strip Test	#
Colour Fastness To Washing	#
Colour Fastness To Rubbing	#
Colour Fastness To Light	#
Hydrostatic Pressure Test	#
Abrasion Resistance	#

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	Black	Woven 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), tumble dry - delicate

M001

After one wash

Warp -0.9%
Weft -0.7%

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

2. Tearing Strength - Single Tear Method

Test method : ISO 13937-2:2000

M001

Warp 75N
Weft 85N

3. Tensile Strength – Strip Test

Test method : ISO 13934-1:2013

M001

Breaking force
Warp 1800N
Weft 2000N

Elongation at break

Warp 29.2%
Weft 30.7%

4. 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

	<u>M001</u>
Colour change	4-5
Colour staining	
- Acetate	4
- Cotton	4-5
- Polyamide	4-5
- Polyester	4-5
- Acrylic	4-5
- Wool	4-5

5. Colour Fastness To Rubbing

Test method : ISO 105-X12:2001

	<u>M001</u>
<u>Dry</u>	
- Length	4-5
- Width	4-5
<u>Wet</u>	
- Length	4-5
- Width	4-5

6. Colour Fastness To Light

Test method : ISO 105-B02:2014, Method 2
Apparatus : Xenon arc lamp

	<u>M001</u>
<u>Up to Grade 4</u>	
Grade	>4

7. Hydrostatic Pressure Test

Test method : ISO 811:1981

	<u>M001</u>
<u>Pressure</u>	
Average	700 mmH ₂ O

8. Abrasion Resistance – Determination Of Specimen Breakdown

Test method : ISO 12947-2:1998+Cor.1:2002

	<u>M001</u>
No. of rubs to breakdown	>100000

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Sample Photo:



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