

Textile Laboratory

Test Report

No: TX81555B /2019 /LI

Date: Sep. 12, 2019

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Yie-Cheng Textile Technology Co., Ltd.
2F, No. 8-1, ALY 1, Ln 180, Hushan St, Guishan Dist.,
Taoyuan City 33348, Taiwan(R.O.C)

The following sample was submitted and identified by applicant as:

Sample Description : One sample of knitted fabric YC331-TCD150-R-HL3A+, AIRMORE Membrane + 3 Lays

Color : LT. Grey

Fabric Weight : 508g/y (421gsm)

Country of Origin : Taiwan

Applicant : Yie-Cheng Textile Technology Co., Ltd.

Sample Receiving Date : Aug. 23, 2019

Test Performance Period : Aug. 23, 2019 to Aug. 29, 2019 & Sep. 03, 2019 to Sep. 10, 2019

Test Performed : Selected test(s) as requested by applicant.

Test Results : For further details, please refer to the following page(s).

Remark: Test results have been taken from report number TX81555/2019/LI, Date: Aug. 29, 2019 & TX81555A/2019/LI, Date: Sep. 10, 2019

**Signed for and on behalf of
SGS Taiwan Ltd.**



**Chu Pei Hsin, Iris
Test Specialist**

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Test Results:

1. Water Vapor Transmission (WVT) (ASTM E 96/E 96M - 16 Procedure BW Inverted Water Method)

103.6 g/m²/hr (2,485.3 g/m²/24hrs)

Tested condition: Cup area: 0.003 m²

Temperature : 23±1°C

Relative Humidity : 50±2% RH

Note: Back side to water

2. Resistance to Water Penetration (JIS L1092:2009 Section 7.1.2 - Method B - high hydrostatic pressure test)

As received

20,233 mmH₂O

Note: Face side to water

* The rate of increase of water pressure : 100 kpa/min

3. Water Vapour Permeability (JIS L1099:2012 - Method B-1- Potassium Acetate Method)

375.3 g/m²/hr (9,006.3 g/m²/24hrs)

Note: Back side to water

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Test Results:

4. Air Permeability of Textile Fabrics
(ASTM D737 - 2018; Textest FX3300 Air Permeability Tester III)Test pressure : 125 Pa
Test area : 38 sq.cm

Individual Readings (Unit: cfm)

1.	0.248
2.	0.338
3.	0.294
4.	0.403
5.	0.327
6.	0.305
7.	0.310
8.	0.302
9.	0.225
10.	0.287

Commentary :

Average : 0.304
Minimum : 0.225
Maximum : 0.403
CV% : 16.0

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Test Results:

Air Permeability of Textile Fabrics
(ASTM D737 - 2018; Textest FX3300 Air Permeability Tester III)

Test pressure : 500 Pa
Test area : 38 sq.cm

Individual Readings (Unit: cfm)

1.	1.10
2.	0.841
3.	1.11
4.	1.18
5.	1.17
6.	1.22
7.	1.45
8.	1.12
9.	1.30
10.	0.940

Commentary :

Average :	1.14
Minimum :	0.84
Maximum :	1.45
CV% :	14.9

*** End of Report ***

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