

Test Report

No. SHSL1304059320TX

Date: Apr 09, 2013

Page 1 of 2

JIANGYIN KAIYUAN NONWOVEN FABRICS CO., LTD.
NO. 3 LUHUA ROAD, TIANYOU INDUSTRIAL ZONE, LUQIAO TOWN, JIANGYIN

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : Nonwoven fabric: PP spunbond/ PE breathable film in white for protective clothing (63gsm)
Style No. : SF
Manufacturer : Jiangyin Kaiyuan
Country of Destination : Europe, USA
Test Performed : Selected test(s) as requested by applicant
Sample Receiving Date : Apr 02, 2013
Testing Period : Apr 03, 2013 TO Apr 09, 2013
Test Result(s) : For further details, please refer to the following page(s).

Signed for and on behalf of
SGS-CSTC Ltd.

Tina Xi

Tina Xi
Account Executive

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to the Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and each sample is retained for 30 days only.

Test Report

No. SHSL1304059320TX

Date: Apr 09, 2013

Page 2 of 2

Test Result

Water Vapour Transmission of Textile Fabrics (ASTM E96: 2010)

Procedure E – Desiccant Method at 100°F(37.8°C) & 90±2% RH

Tested Area : 0.003117 square metre

Orientation : film side facing calcium chloride

	1#	2#	3#	4#	5#	Average
Gram per square metre per 24 hours	5174	4612	4127	4859	5005	4755

Water Vapour Transmission of Textile Fabrics (ASTM E96:2010)

Procedure BW – Inverted Water Method at 73.4°F (23°C) & 50±2% RH

Tested Area : 0.003117 square metre

Orientation : film side facing water

	1#	2#	3#	4#	5#	Average
Gram per square metre per 24 hours	1840	2094	2015	1928	1915	1958

Water Resistance (EN 20811:1992; - Hydrostatic Head; Rate of increase of water pressure: 60 cmH₂O/min, temp of distilled water: 20 degree C, film side facing water)

As Received	1#	2#	3#	4#	5#	Average
Water Column (mm H ₂ O)	1479	1428	1448	1489	1469	1459

Surface Resistivity of Fabric (EN 1149-1:2006)

Test Condition : Applied Voltage and time:100V for 15 seconds
Temperature 23± 1°C, Relative Humidity 25± 5%

Nonwoven side	1#	2#	3#	4#	5#	Geometry mean
Surface Resistance(ohm)	1.0X10 ⁸	8.5X10 ⁷	8.0X10 ⁷	1.1X10 ⁸	8.3X10 ⁷	9.1X10 ⁷
Surface Resistivity (ohm)	2.0X10 ⁹	1.7X10 ⁹	1.6X10 ⁹	2.2X10 ⁹	1.6X10 ⁹	1.8X10 ⁹

pH Value in Textile (EN ISO 3071:2006, 0.1mol/l KCL extraction)

9.0

*** End of Report ***

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and for electronic format documents subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful. Holders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and each sample is retained for 30 days only.

SHSL 2812731