

Test Report

SL52035273609001TX

Date: July 30, 2020

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XIANTAO RHYCOM NON-WOVEN PRODUCTS CO., LTD.  
CHUANGYE ROAD, LONGHUASHAN SUB-DISTRICT, XIANTAO CITY, HUBEI PROVINCE, CHINA

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

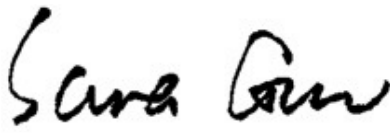
Sample Description : (A)Surgical Gown  
Composition : (A)Non-woven fabric  
Sample Color : (A)Blue  
Style No. : RK-3011C  
Manufacturer : XIANTAO RHYCOM NON-WOVEN PRODUCTS CO., LTD.

Sample Receiving Date : Jul 20, 2020  
Testing Period : Jul 20, 2020 - Jul 30, 2020

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

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

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center



Sara Guo (Account Executive)

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Test Result

**Liquid Barrier Performance and Classification of Protective Apparel and Drapes Intended for Use in Health Care Facilities**

(ANSI/AAMI PB70:2012)

**Section 4.2.1 Water Resistance: Impact Penetration Test**

(AATCC 42-2017)

As received

| Weight of blotter gained (g)  | 1#  | 2#  | 3#  | 4#  | 5#  |
|-------------------------------|-----|-----|-----|-----|-----|
| Area A (Critical zone-front)  | 0.2 | 0.8 | 0.5 | 0.7 | 0.7 |
| Area B (Critical zone-sleeve) | 0.2 | 0.0 | 0.0 | 0.3 | 0.1 |
| Area C(Front)                 | 0.3 | 0.2 | 0.1 | 0.2 | 0.3 |
| Area D(Back)                  | 0.4 | 0.2 | 0.2 | 0.2 | 0.3 |
| Seam between areas C&D        | 0.3 | 0.2 | 0.1 | 0.2 | 0.3 |

Remark:

- Level 1: all critical zone components shall have a blotter weight gain of no more than 4.5grams(g)
- Level 2: all critical zone components shall have a blotter weight gain of no more than 1.0 grams(g)
- Level 3: all critical zone components shall have a blotter weight gain of no more than 1.0 grams(g)

**Section 4.2.1 Water Resistance: Hydrostatic Pressure Test**

(AATCC 127-2018; Hydrostatic Head; Rate of increase of water pressure:60mbar/min; temp. of distilled water: 21 °C, fabric face side of water)

As received

| Water Column (cmH <sub>2</sub> O) | 1#    | 2#    | 3#    | 4#    | 5#    |
|-----------------------------------|-------|-------|-------|-------|-------|
| Area A (Critical zone-front)      | >50.0 | >50.0 | >50.0 | >50.0 | >50.0 |
| Area B (Critical zone-sleeve)     | >50.0 | >50.0 | >50.0 | >50.0 | >50.0 |
| Area C(Front)                     | >50.0 | >50.0 | >50.0 | >50.0 | >50.0 |
| Area D(Back)                      | >50.0 | >50.0 | >50.0 | >50.0 | >50.0 |
| Seam between areas C&D            | >50.0 | >50.0 | >50.0 | >50.0 | >50.0 |

Remark:

- Level 2: all critical zone components shall have a hydrostatic resistance of at least 20cmH<sub>2</sub>O
- Level 3: all critical zone components shall have a hydrostatic resistance of at least 50cmH<sub>2</sub>O



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**Barrier performance of each component and final classification commended**

|                               | Impact Penetration Test AATCC 42(g) | Hydrostatic Pressure Test AATCC 127(cmH <sub>2</sub> O) | Resistance to Bacteriophage Phi-X174 ASTM F 1671 | Level   | Final classification |
|-------------------------------|-------------------------------------|---|--|---------|----------------------|
| Area A (Critical zone-front)  | 0.8                                 | >50.0   | /  | Level 3 | Level 3              |
| Area B (Critical zone-sleeve) | 0.3                                 | >50.0   | /  | Level 3 |                      |
| Area C(Front)                 | 0.3                                 | >50.0   | /  | Level 3 |                      |
| Area D(Back)                  | 0.4                                 | >50.0   | /  | Level 3 |                      |
| Seam between areas C&D        | 0.3                                 | >50.0   | /  | Level 3 |                      |

**Remark:**

- The barrier performance of all critical zone components, including seams and points of attachments, shall be determined;
- The critical zone comprises at least area A and B. The classification of the surgical gown is based on the lower-performing component of the two;
- The back of the surgical gown (area D) may be nonprotective;
- Seams between protective and nonprotective areas have no barrier requirements;
- Seams between two protective areas are required to have at least the barrier performance of the lower-performing area;
- Level 1: Impact Penetration Test-AATCC 42: ≤4.5g;
- Level 2: Impact Penetration Test-AATCC 42: ≤1.0g; Hydrostatic Pressure Test-AATCC 127: ≥20cmH<sub>2</sub>O;
- Level 3: Impact Penetration Test-AATCC 42: ≤1.0g; Hydrostatic Pressure Test-AATCC 127: ≥50cmH<sub>2</sub>O;
- Level 4: Resistance to Bacteriophage Phi-X174-ASTM F 1671: Pass.
- Only test the barrier performance of the sample. Label request, construction and other classed in ANSI/AAMI PB70-2012 is not checked.

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Sample Photo



Face

Back

The statement of conformity in this test report is only based on measured values by the laboratory and does not take their uncertainties into consideration.

\*\*\*End of Report\*\*\*



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