

## Textile Laboratory Test Report

No: TX71484 /2017 /SP

Date: Aug. 02, 2017

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The following sample was submitted and identified by applicant as:

Sample Description : One sample of woven fabric N420D\*420D

Color : Green

Fiber Content : 100% Nylon

Construction : 63\*40 / N420D\*420D

Buyer :

Manufacturer/Vendor : Steady Flying Enterprise Co. ,Ltd.

Country of Origin : Taiwan

Applicant : Shine Jou Enterprise Co.,Ltd.

Sample Receiving Date : July 24, 2017

Test Performance Period : July 24, 2017 to Aug. 02, 2017

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

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

Signed for and on behalf of  
SGS Taiwan Ltd.

*Cherry Kuo*

**Kuo Ling, Cherry  
Supervisor**

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Test Results:

1. Mass Per Unit Area (BS EN 12127:1998)

g/m<sup>2</sup> 252.4

Note: Tested the standard atmosphere of  
Relative humidity : 65 ± 2% RH  
Temperature : 20 ± 2°C

2. Tensile Strength (BS EN ISO 1421:1998 Method 1 - Strip Test)

Warp direction 2,865.8 N/50mm\*  
Weft direction 2,151.1 N/50mm\*

\*The specimens were broken near the jaw.

3. Tear Strength (BS 3424 Part 5:1982 Method 7B)

Across warp 422.8 N  
Across weft 343.1 N

4. Colour Fastness to Washing (BS EN 20105 C06 A2S :1993 - 30 min - Mechanical wash at 40°C, in 4 g/l ECE + 1 g/l sodium perborate solution, 150 ml liquor volume - 10 steel balls)

Change in shade 4-5  
Staining of acetate 4-5  
Staining of cotton 4-5  
Staining of nylon 4-5  
Staining of polyester 4-5  
Staining of acrylic 4-5  
Staining of wool 4-5

Remarks : Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

5. Color Fastness to Rubbing (BS EN ISO 105-X12:2002)

Dry staining 4-5  
Wet staining 4-5

Remarks : Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

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Test Results:

6. Color Fastness to Light (BS EN 20105-B02:1993 - Air-Cooled Xenon Arc Fading Lamp Test)

BWS (1 to 6)  
Grade

6

7. Resistance to Water Penetration (BS EN 20811:1992(1996) - Hydrostatic pressure test)

As received

Over 1,000 mmH<sub>2</sub>O

Note: Face side to water

The rate of increase of water pressure : 60±3 cm H<sub>2</sub>O/min

Test area : 100 cm<sup>2</sup>

8. Water Repellency (BS EN 24920: 1992 - Spray test)

Individual Readings (As received)

Sample

1.	4
2.	4
3.	4

- Rating: 5 = No sticking or wetting of upper surface.  
 4 = Slight random sticking or wetting of upper surface.  
 3 = Wetting of upper surface at spray points.  
 2 = Partial wetting of whole of upper surface.  
 1 = Complete wetting of whole of upper surface.  
 0 = Complete wetting of the entire face of the specimen.

9. Colour Fastness to Nitrogen Oxides (BS EN ISO 105 G01:1996)

After 1<sup>st</sup> cycle

Change in shade

4-5

Note: Grading is reflected at the time of observation. It might fade under other external conditions.

Remarks: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

Tested by relevant SGS laboratory.

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

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