

Test Report No.64.405.13.01.14163.01
Dated:2013-11-08



ORIGINAL

Applicant: 绿星(福州)居室用品有限公司
Attention: 李植彪

Sample Information As Declared :

Fibre Content: 100% 涤纶
Sample Description: 300D×300D+PU<SP-6>
Colour: 黑色
Date Received: 2013-10-30
Test Period: 2013-11-01 to 2013-11-08



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Description of the test subject:

| | | | |
|--------------------------------|--|---|--|
| | |  A photograph of a folded piece of black fabric, likely the test subject, placed on a white background. | |
| 1. Black fabric-100% polyester | | | |





ORIGINAL

Test Results

1. Color Fastness To Water

(AATCC 107:2012)

| | 001 | <u>Client's Requirement</u> |
|----------------|-----|-----------------------------|
| Color Change | 4.5 | 4.0 |
| Color Staining | | 4.0 |
| -Acetate | 4.5 | |
| -Cotton | 4.5 | |
| -Polyamide | 4.5 | |
| -Polyester | 4.5 | |
| -Acrylic | 4.5 | |
| -Wool | 4.5 | |

2. Tearing Strength

(ASTM D 751-06, Elmendorf Tear Tester)

As Received

| | 001 | <u>Client's Requirement</u> |
|------------|-----|-----------------------------|
| Warp (lbf) | 7.5 | 25 lbs min |
| Weft (lbf) | 5.5 | |

Remark:

*1 The test is generally not applicable to woven elastic fabrics.

3. Tensile Strength

(ASTM D 5034:2009, Tensile Testing Machine, CRE)

As Received

| | 001 | <u>Client's Requirement</u> |
|------------|-------|-----------------------------|
| Warp (lbf) | 284.5 | 50 lbs min |
| Weft (lbf) | 187.3 | |



ORIGINAL

4. Bursting Strength

(ASTM D751-06)

As Received

| | | |
|-------|-------|-----------------------------|
| | 001 | <u>Client's Requirement</u> |
| (lbf) | 299.9 | 50 lbs min |

5. Puncture Strength

(ASTM D751-06)

As Received

| | | |
|-----|-----|-----------------------------|
| | 001 | <u>Client's Requirement</u> |
| (N) | 320 | - |

6. Water Resistance: Hydrostatic Pressure Test

(AATCC 127:2008)

(Option 2, Hydrostatic Head Tester, Pressure Gradient At 60 mbar/min Water Pressure)

| | | |
|----------------------|------|-----------------------------|
| | 001 | <u>Client's Requirement</u> |
| (mmH ₂ O) | 1965 | 1000 |

7. Water Resistance to Surface wetting: Spray Test

(AATCC 22-2005: Spray Test-Tested under controlled condition, water temperature: 27±1°C)

| | | | | |
|-----|------------|------------|------------|-----------------------------|
| 001 | Specimen 1 | Specimen 2 | Specimen 3 | <u>Client's Requirement</u> |
| | 95 | 95 | 95 | - |

Remark:

- 100 – No sticking or wetting of upper surface
- 90 – Slight random sticking or wetting of upper surface
- 80 – Wetting of upper surface at spray points
- 70 – Partial wetting of whole of upper surface
- 50 – Complete wetting of whole of upper surface
- 0 – Complete Wetting of the entire face of the specimen



ORIGINAL

8. Fabric Weight Per Unit Area

(ASTM D 3776)

| | 001 | <u>Client's Requirement</u> |
|-----------------------|-----|-----------------------------|
| (g/m ²) | 193 | - |
| (oz/yd ²) | 5.7 | - |

9. Yarn Count

(ASTM D 1059:2001)

| | 001 | <u>Client's Requirement</u> |
|------------|------|-----------------------------|
| Warp (Tex) | 44.0 | - |
| Weft (Tex) | 39.9 | - |

Remark: The results are for reference only.

10. Stitch Per Inch

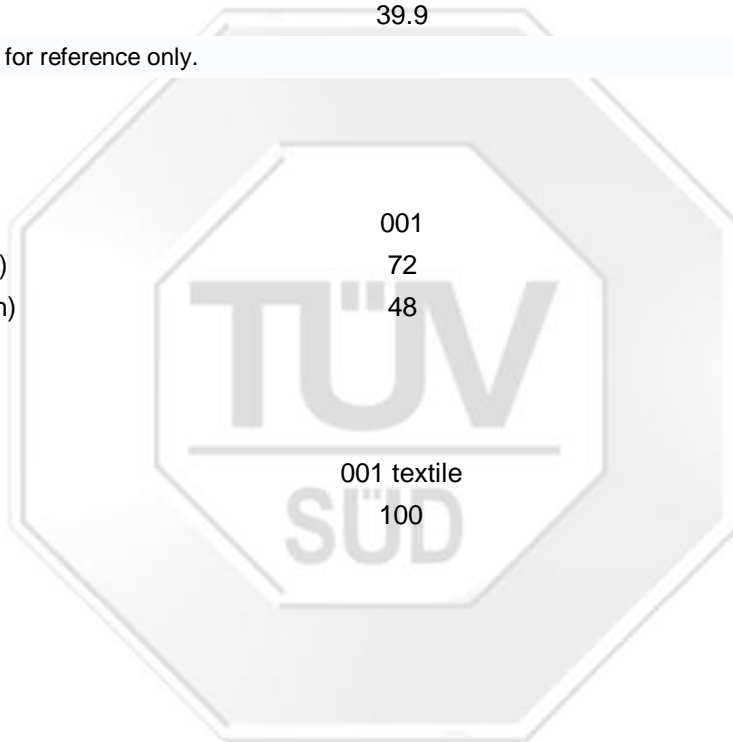
(ASTM D3887)

| | 001 | <u>Client's Requirement</u> |
|---------------------------|-----|-----------------------------|
| Warp end count (inch) | 72 | - |
| Filling pick count (inch) | 48 | - |

11. Fiber Content

(AATCC 20A:2012)

| | 001 textile | <u>Marked</u> |
|---------------|-------------|---------------|
| Polyester (%) | 100 | 100 |





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12. Flammability Test

(ASTM D 1230:2010)

| <u>Sample 001 Flame direction:</u> | Original state | After dry cleaning & washing |
|------------------------------------|---------------------|------------------------------|
| <u>Length Face</u> | Flame spread (sec.) | Flame spread (sec.) |
| Specimen 1 | DNI | DNI |
| Specimen 2 | DNI | DNI |
| Specimen 3 | DNI | DNI |
| Specimen 4 | DNI | DNI |
| Specimen 5 | DNI | DNI |
| Average | DNI | DNI |
| Requirement | Class 1 | Class 1 |
| Flammability Classification: | Class 1 | Class 1 |
| Fabric Surface | Plain | Plain |

Code:

DNI Did Not Ignite

Remark:

- Class 1 Normal Flammability and are acceptable for use in clothing. This class shall include textiles which meet the minimum requirements.
- Class 2 Intermediate flammability are considered to be of intermediate flammability, but may be used for clothing. This class shall include textiles which meet the minimum requirements.
- Class 3 Rapid and intense burning, are dangerously flammable and shall not be used for clothing

- END OF REPORT -