

## TEST REPORT

No. : SHIN1912092826PS

Date : Jan 16, 2020

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CUSTOMER NAME: ZHEJIANG HAILIDE NEW MATERIAL CO., LTD.  
ADDRESS: NO.2 TINGCHAO ROAD, JIANSHAN, HAINING CITY, ZHEJIANG PROVINCE CHINA

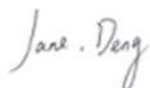
Sample Name : PVC TARPAULIN

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

\*\*\*\*\*

Date of Receipt : Dec 30, 2019  
Testing Start Date : Dec 30, 2019  
Testing End Date : Jan 16, 2020  
Test result(s) : For further details, please refer to the following page(s)  
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for  
SGS-CSTC Standards Technical  
Service (Shanghai)Co., Ltd.



Jane Deng  
Authorized signatory



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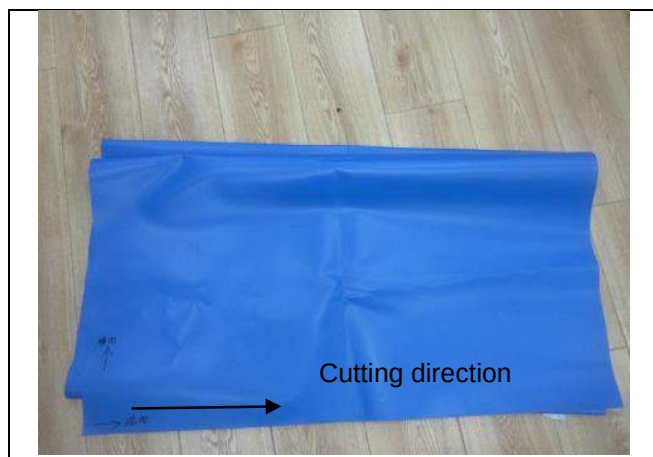
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Original Sample Photo:



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### 1. Test Item: Light Ageing Test-UV Exposure

Sample Description: Blue plastic part

Test Method: ASTM G154-12a Cycle 1

Test Condition:

Exposure cycle:

ASTM G154-12a Cycle 1

Lamp type: UVA-340

8h UV at (60±3)°C BPT, 0.89W/(m<sup>2</sup>•nm)@340nm

4h condensation at (50±3)°C BPT

Exposure duration: 100h

Test Result:

| Test Item                     | Sample               | Grey Scale |
|-------------------------------|----------------------|------------|
| Light Ageing Test-UV Exposure | Tear strength sample | 4-5        |
|                               | Tensile sample       | 4-5        |

Note:

- 1) According to ISO 105-A02:1993/Cor.2:2005, the grey scale was determined under the D65 standard light, with scale 5 as the best and scale 1 as the worst.
- 2) The results were carried out within 1 hour after above specified durations for the intermediate inspection as well as at the end of the exposure.



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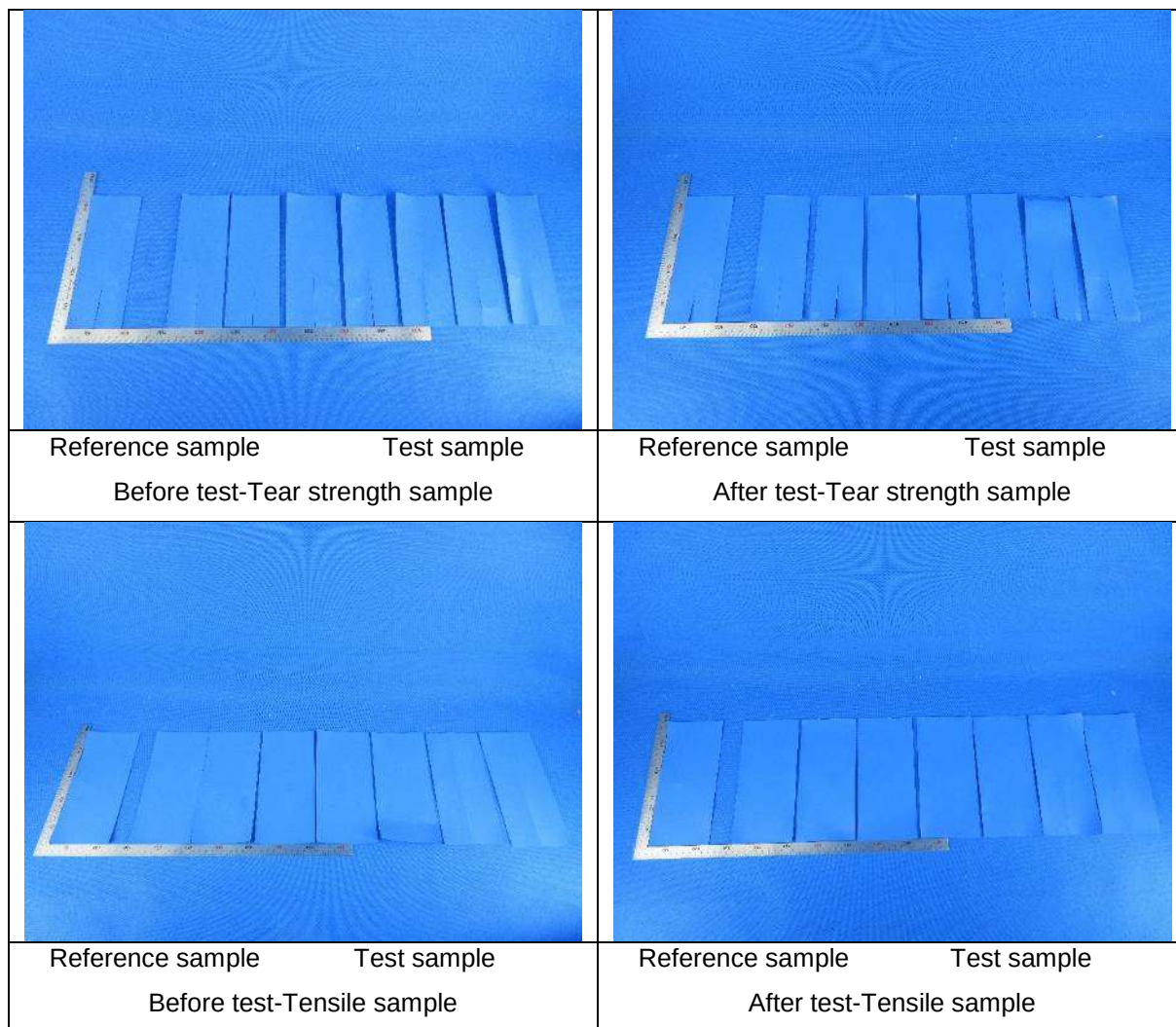
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Test Photo:



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### 2. Test Item: Tear Strength

Sample Description: Blue plastic part

Test Method: ASTM D2261-13(2017)

Test Condition:

As received condition:  $23 \pm 2$  °C,  $50 \pm 5$  %RH, 48 h

Light aging condition: UV exposure(see test item 1)→ $23 \pm 2$  °C,  $50 \pm 5$  %RH, 24 h

Specimen width: 75 mm

Specimen thickness: 0.522 mm

Testing speed: 50 mm/min

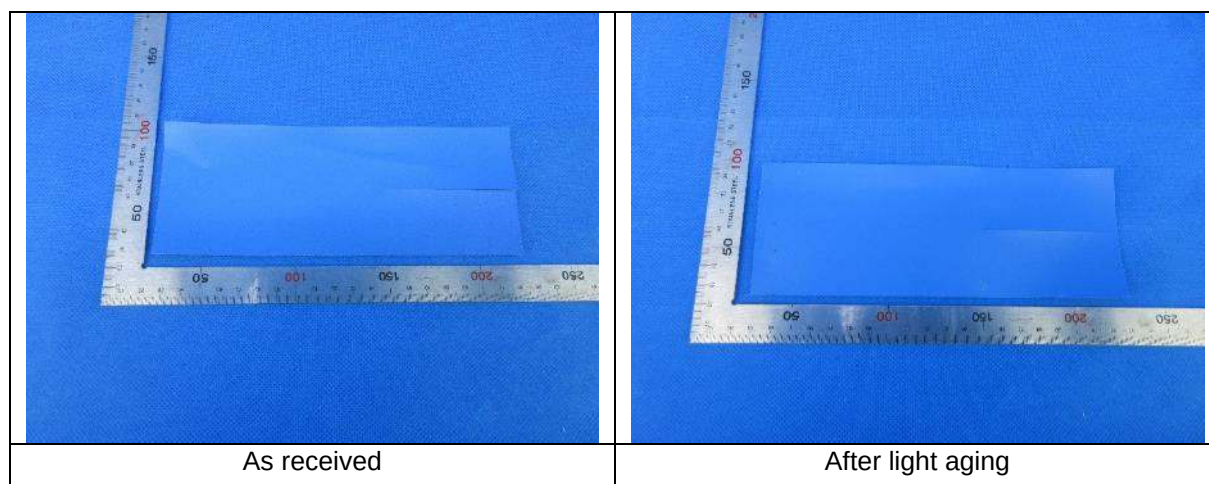
Lab Environmental Condition:  $23 \pm 2$  °C,  $50 \pm 5$  %RH

Test Result:

| Test Item     | Test Result       |         |
|---------------|-------------------|---------|
| Tear Strength | As received       | 303.5 N |
|               | After light aging | 287.5 N |

Note: Test specimens were cut from the sample.

Sample Photo:



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### 3. Test Item: Breaking Force

Sample Description: Blue plastic part

Test Method: ASTM D5034-09(2013) Grab test

Test Condition:

As-received condition:  $23 \pm 2$  °C,  $50 \pm 5$  %RH, 48 h

Light Ageing condition: UV exposure(see test item 1)→ $23 \pm 2$  °C,  $50 \pm 5$  %RH, 24 h

Specimen width: 100 mm

Specimen thickness: 0.506 mm

Testing speed: 300 mm/min

Initial distance between grips: 75 mm

Lab Environmental Condition:  $23 \pm 2$  °C,  $50 \pm 5$  %RH

Test Result:

| Test Item      | Test Result        |         |
|----------------|--------------------|---------|
| Breaking Force | As -received       | 533 lbs |
|                | After light ageing | 553 lbs |

Note: Test specimens were cut from the sample.



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### 4. Test Item: Colour Fastness To Rubbing

Sample Description: Blue plastic part

Test Method: ISO 105-X12:2016; Size of rubbing finger: 16mm dia

Test Result:

As Received

|              | Unit | (A)-smooth side |
|--------------|------|-----------------|
| Dry Staining | -    | 4-5             |
| Wet Staining | -    | 4-5             |

Note: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is worst and 5 is best.

Test Photo:



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## 5. Test Item:

EN 71-2:2011+A1:2014 Safety of toys Part 2: Flammability, Clause 4.4-Toys intended to be entered by a child

## I. Test Method

Test in accordance with "EN 71-2:2011+A1:2014 Safety of toys — Part 2: Flammability".

## II. Description of the products

|                    |                      |
|--------------------|----------------------|
| Sample description | PVC                  |
| Color              | Blue                 |
| Fabric weight      | 609 g/m <sup>2</sup> |

## III. Conditioning

|             |        |          |       |          |                  |
|-------------|--------|----------|-------|----------|------------------|
| Temperature | 20±5°C | Humidity | 65±5% | Duration | at least 7 hours |
|-------------|--------|----------|-------|----------|------------------|

**Cleaning procedure details:** None

## IV. Result and Conclusion

| Test item  | Requirements                           | Products details | Test method | Criteria                                                                                     | Result | Conclusion |
|------------|----------------------------------------|------------------|-------------|----------------------------------------------------------------------------------------------|--------|------------|
| Clause 4.4 | Toys intended to be entered by a child | ----             | Clause 5.4  | FSR≤30mm/s or S/E;<br>And If<br>FSR>20mm/s, there shall be no flaming debris or molten drips | SE     | Pass       |

**Conclusion:** [ ☒ ] Meets; [ ☐ ] Does not meet

**Remark:** FSR--- the rate of flame spread

**Statement:** This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.



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\*\*\*\*\* End of report\*\*\*\*\*



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