

## TEST REPORT

No. : GZMR250501337901

Date : Jun 13, 2025

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CUSTOMER NAME: Changzhou Hongkai Import and Export Trade Co., Ltd  
ADDRESS: No.32 North Youyi Road, Zouqu, Changzhou, Jiangsu, China

Sample Name : Stretch Film  
Material and Mark : PE  
Product specification : 500mm\*20micron 20inch\*80gauge  
Manufacturer : Juhong Packing Materials Jiangsu Co.,Ltd

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.

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SGS Ref. No. : XMIN2504000511PL01  
Date of Receipt : May 06, 2025  
Testing Start Date : May 06, 2025  
Testing End Date : Jun 13, 2025  
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  
Services Co., Ltd. Guangzhou Branch

Kelly Lee  
Authorized signatory



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### Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Tensile Test	ASTM D4649-20 Table 1 & ASTM D882-18	See Result	/
2	Protrusion Puncture	ASTM D4649-20 Table 1 & ASTM D5748-95(2019)	1.35 Nm	/
3	Tear Resistance	ASTM D4649-20 Table 1 & ASTM D1922-23	See Result	/

Note: Pass : Meet the requirements;  
Fail : Does not meet the requirements;  
/ : Not Apply to the judgment.



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## 1. Test Item: Tensile Test

Sample Description: A1-Film,A2-Film

Test Method: ASTM D4649-20 Table 1 & ASTM D882-18

Test Condition:

Specimen Width: 15 mm

Specimen Thickness: 0.019 mm

Testing Speed: 500 mm/min

Grip Separation: 50 mm

Lab Environmental Condition: ( 23 ± 2 ) °C, ( 50 ± 5 ) %RH

Test Result:

Sample A1- Transverse

Test Item	Test Result
Breaking factor	4.34lbf/in
Elongation at break	770%
Ultimate tensile strength	5700lbf/in <sup>2</sup>

Sample A2- Lengthways

Test Item	Test Result
Breaking factor	5.87lbf/in
Elongation at break	550%
Ultimate tensile strength	8040lbf/in <sup>2</sup>

Note: Test specimens were cut from the sample.



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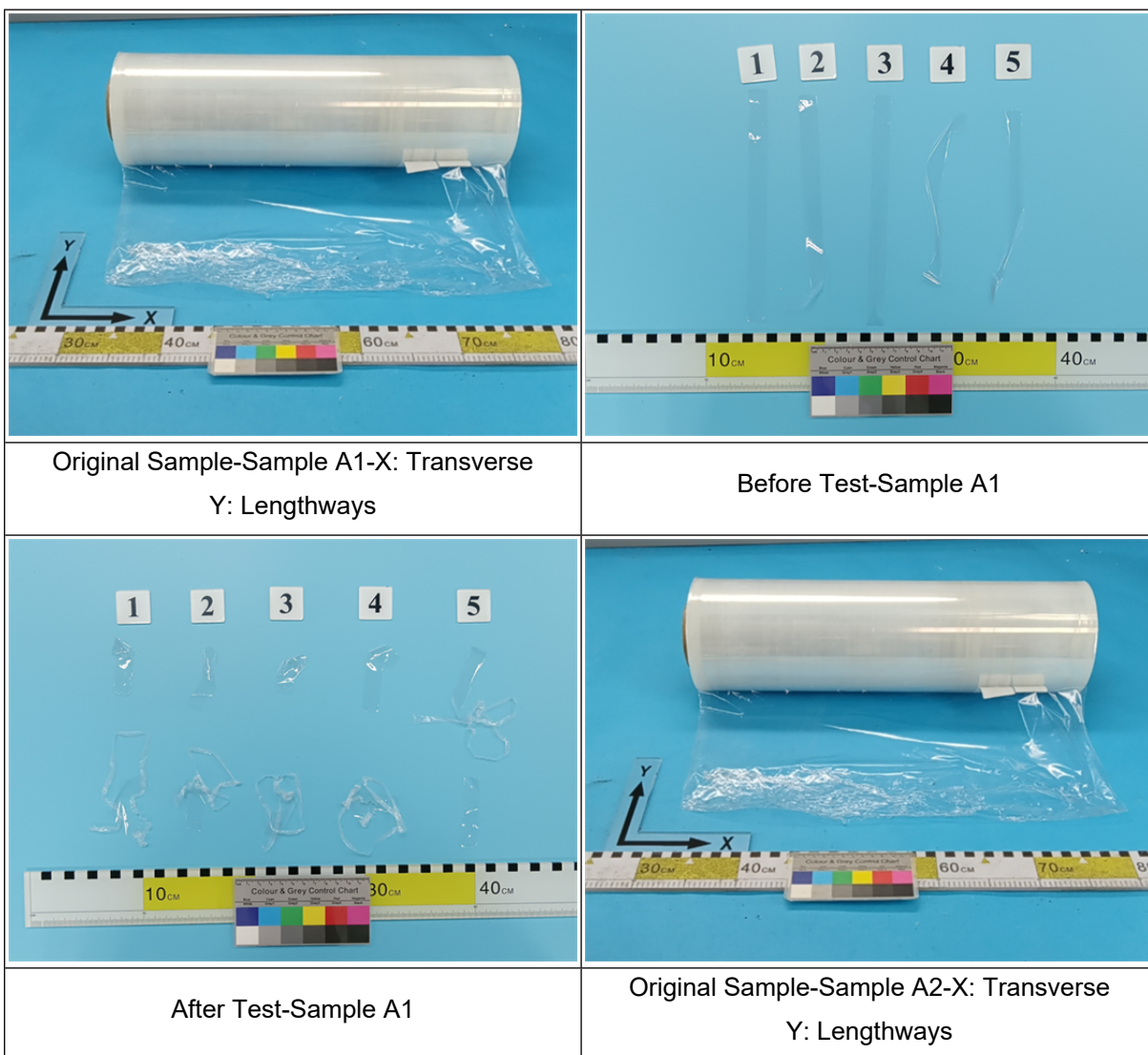
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Test Photo:

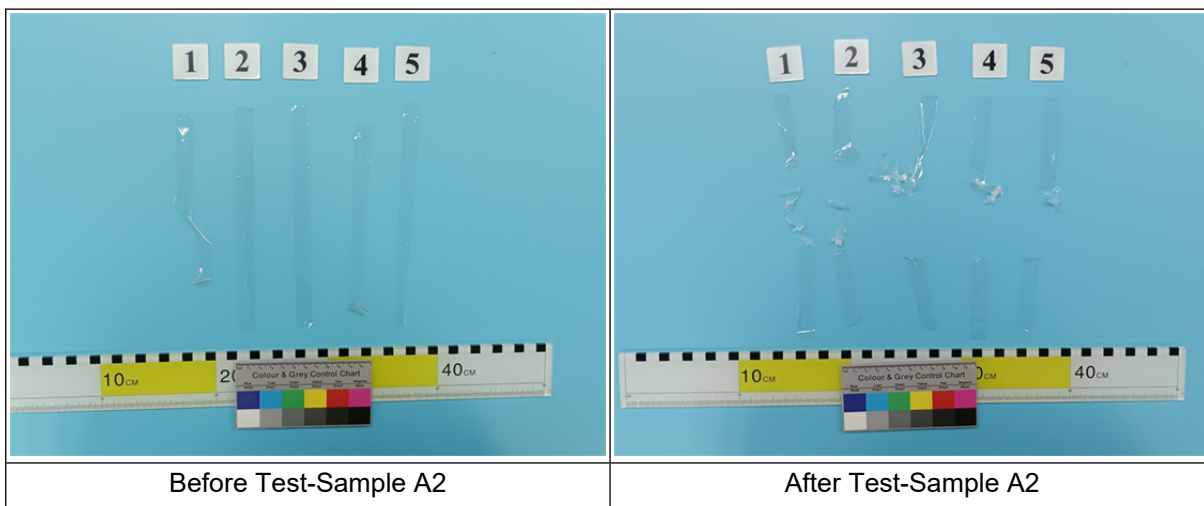


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Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Universal Testing Machine	Z1.0	GZMR-PL-E168	2024-12-12	2025-12-11



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Guangzhou Branch

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### 2. Test Item: Protrusion Puncture

Sample Description: A-Film

Test Method: ASTM D4649-20 Table 1 & ASTM D5748-95(2019)

Test Condition:

Specimen thickness : 0.019 mm

Testing Speed: 250 mm/min

Lab Environmental Condition: ( 23 ± 2 ) °C, ( 50 ± 5 ) %RH

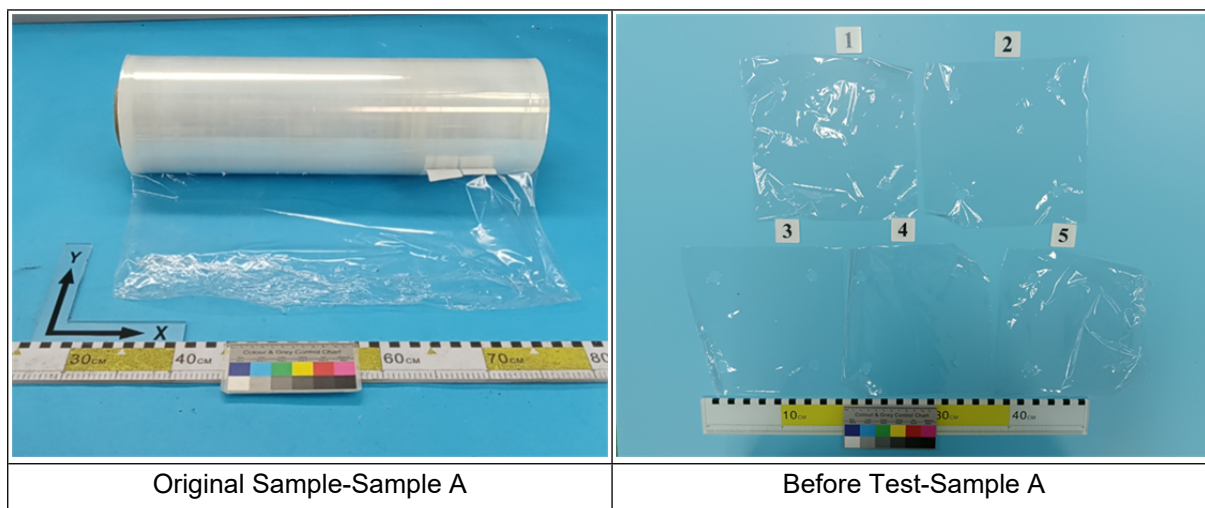
Test Result:

Sample A

Test Item	Test Result
Protrusion Puncture	1.35 Nm

Note: Test specimens were cut from the sample.

Test Photo:



Original Sample-Sample A	Before Test-Sample A
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After Test-Sample A

### Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Universal Testing Machine	Z1.0	GZMR-PL-E168	2024-12-12	2025-12-11



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### 3. Test Item: Tear Resistance

Sample Description: A1-Film,A2-Film

Test Method: ASTM D4649-20 Table 1 & ASTM D1922-23

Test Condition:

Sample A1-Specimen Thickness: 0.020 mm

Sample A2-Specimen Thickness: 0.020 mm

Lab Environmental Condition: ( 23 ± 2 ) °C, ( 50 ± 5 ) %RH

Test Result:

Sample A1- Transverse

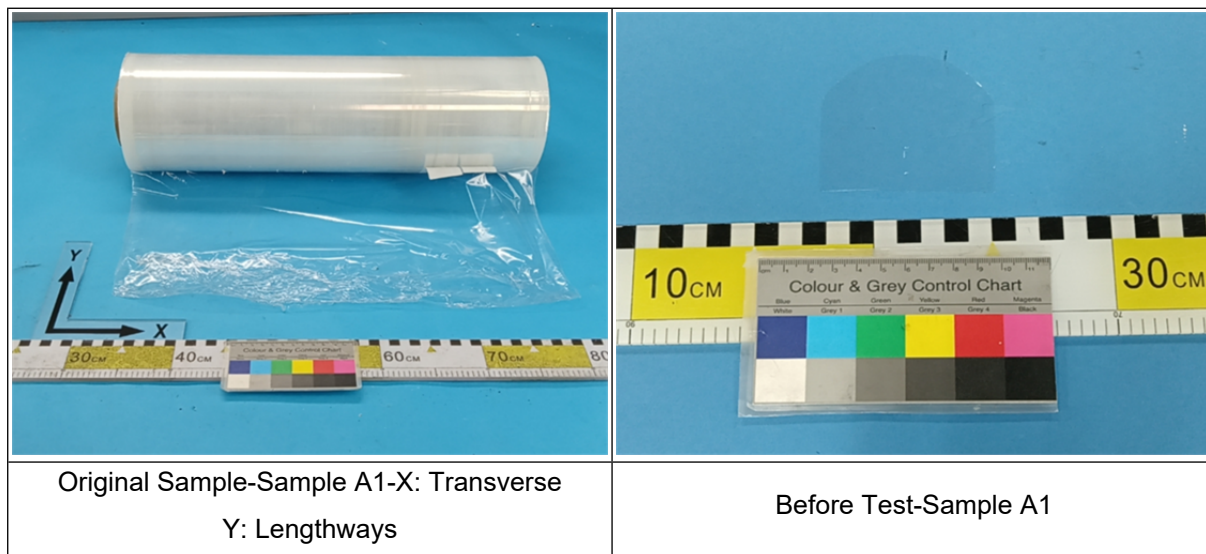
Test Item	Test Result
Tear Resistance	3N

Sample A2- Lengthways

Test Item	Test Result
Tear Resistance	1N

Note: Test specimens were cut from the sample.

Test Photo:



Original Sample-Sample A1-X: Transverse  
Y: Lengthways

Before Test-Sample A1



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After Test-Sample A1



Original Sample-Sample A2-X: Transverse  
Y: Lengthways



Before Test-Sample A2



After Test-Sample A2



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### Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Tearing Resistance Tester (Elmendorf Method)	SLY-SI	GZMR-PL-E050	2025-03-19	2026-03-18

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



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