



TEST REPORT

No. : SHMR250400820201

Date : May 08, 2025

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CUSTOMER NAME: Nanjing Shenghui Rubber and Plastic Co., Ltd.
ADDRESS: No. 38, Hancun Town, Gǔbǎi Town, Gaochun District, Nanjing City

Sample Name : Butyl Rubber Sheet

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.

SGS Ref. No. : SHIN2504003561PL01

Date of Receipt : Apr 23, 2025

Testing Start Date : Apr 23, 2025

Testing End Date : May 08, 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 (Shanghai) Co., Ltd.

Costa Zhou

Costa Zhou
Authorized signatory



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Materials & Reliability Laboratory

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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Hardness	GB 18241.1-2014 Section 6.2.1 & GB/T 531.1-2008	48 Shore A	/
2	Tensile Test	GB/T 18241.1-2014 Section 6.2.2 & GB/T 528-2009	See results	/
3	Effect of Liquids	GB/T 1690-2010	2.3 %	/

Note:

Pass : Meet the requirements;

Fail : Does not meet the requirements;

/ : Not Apply to the judgment.



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1. Test Item: Hardness

Sample Description: A-Black rubber sheet

Test Method: GB 18241.1-2014 Section 6.2.1 & GB/T 531.1-2008

Test Condition:

Specimen Thickness: 6.01 mm(3 layers piled up)

Type of Durometer: Shore A

Read Time: 3 s

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

Test Result:

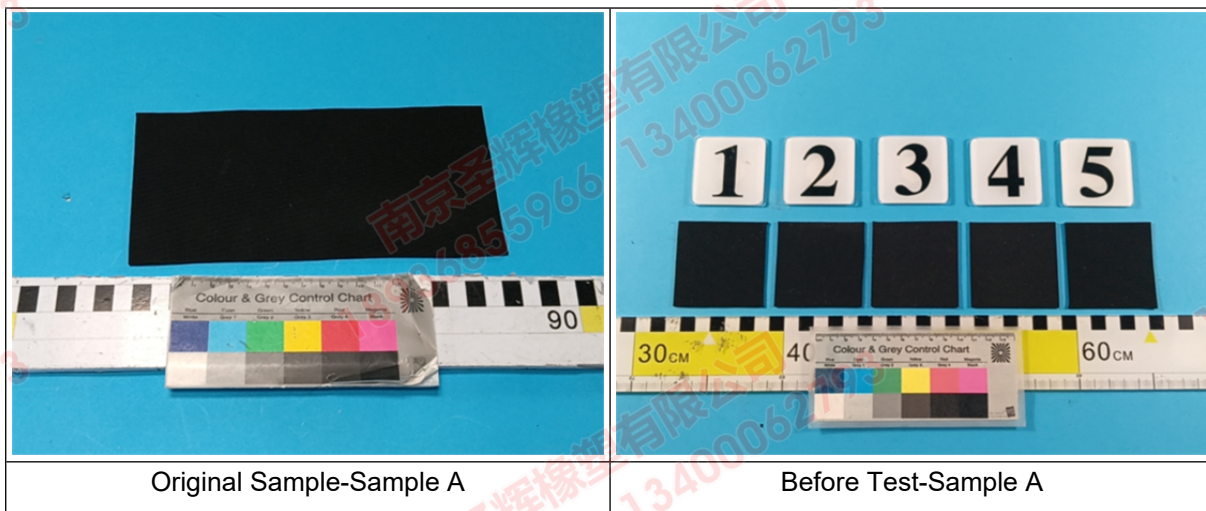
Sample A

Test Item	Test Result
Hardness	48 Shore A

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
A Type Shore Hardness Tester	Digi test-shoreA/B/0	P-308-2	2025-03-03	2026-03-02



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Inspection & Testing Services
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2. Test Item: Tensile Test

Sample Description: A-Black rubber sheet

Test Method: GB/T 18241.1-2014 Section 6.2.2 & GB/T 528-2009

Test Condition:

Specimen Type: Type 1

Specimen Thickness: 2.059 mm

Testing Speed: 500 mm/min

Gauge Length: 25 mm

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

Test Result:

Sample A

Test Item	Test Result
Tensile Strength	8.79 MPa
Elongation at Break	662 %

Note: Test specimens were cut from the sample.

Test Photo:

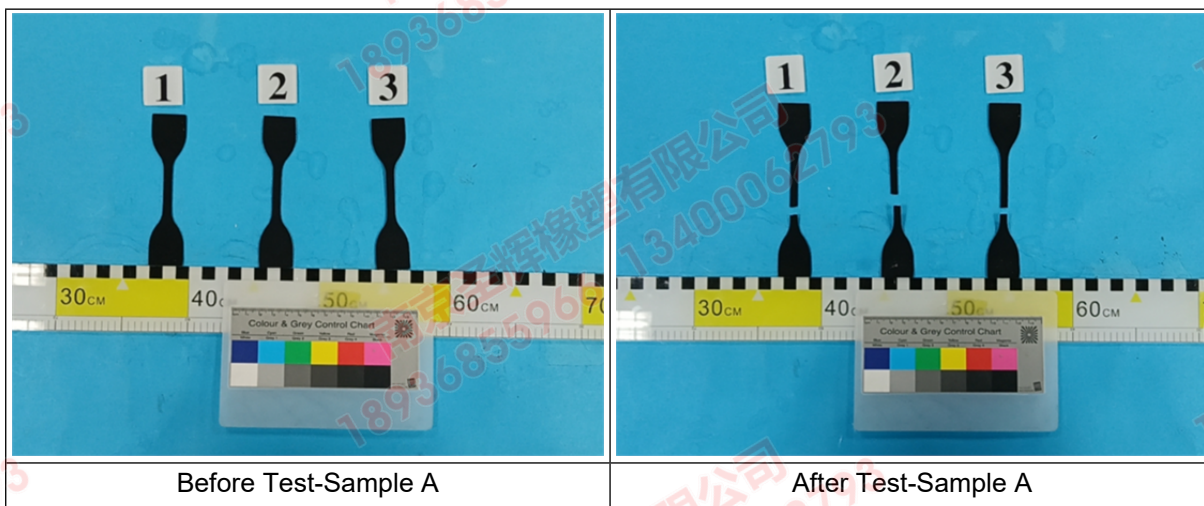
	/
Original Sample-Sample A	/

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Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Single arm tensile machine	BT2-FZ2.5TH.D16.001	P-635	2025-04-27	2026-05-26

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3. Test Item: Effect of Liquids

Sample Description: A-Black rubber sheet

Test Method: GB/T 1690-2010

Test Condition:

Immersion Condition: 32 % HCL, 23 ° C, 168 h

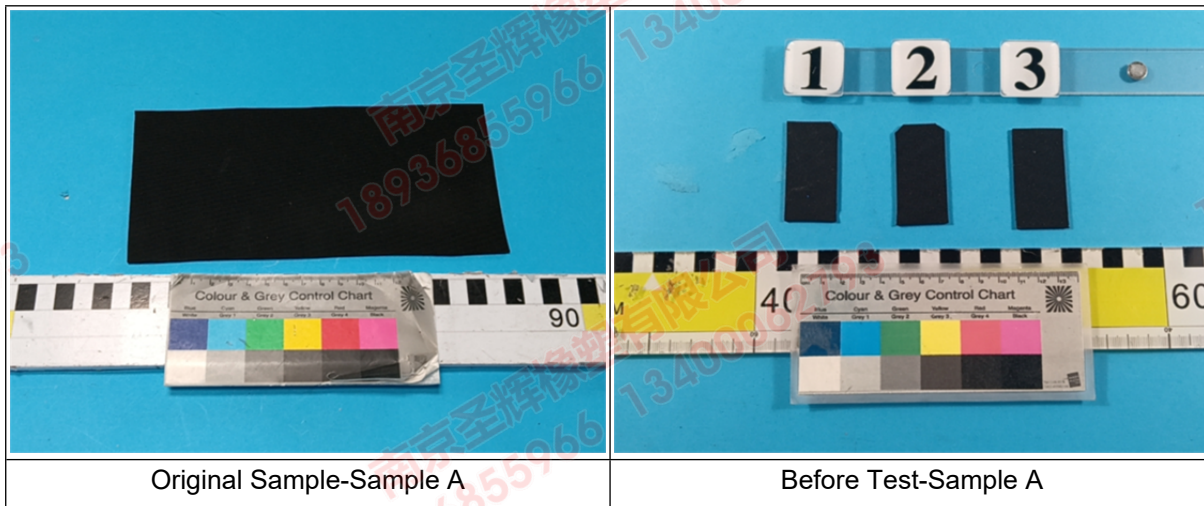
Test Result:

Sample A

Test Item	Test Result
Change In Mass	2.3 %

Note: Test specimens were cut from the sample.

Test Photo:



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After Test-Sample A

/

/

Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Electron balance	XP204	P-273	2024-12-03	2025-12-02

Appendix information:

*The test report shall only be used for client scientific research, teaching, internal quality control, product research and development, etc. and just for client internal reference.

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



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