

TEST REPORT

No. : SHMR250801875701

Date : Oct 10, 2025

Page: 1 of 12



CUSTOMER NAME: Hebei Chantai New Materials Technology Co., Ltd
ADDRESS: No.6, Chuangye Street, Niuzhai Village, Changzhuang Town, Weixian
County, Xingtai City, Hebei Province, China

Sample Name : Safe Protector
Sample reference : Sample A:black; Sample B:white; Sample C:Plastic particles; Sample
information C:Plastic particles

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. : SHP25-028349
Date of Receipt : Aug 19, 2025
Testing Start Date : Aug 19, 2025
Testing End Date : Oct 10, 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.

Menghan Sun
Authorized signatory



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TEST REPORT

No. : SHMR250801875701

Date : Oct 10, 2025

Page: 2 of 12

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	High Temperature Test	GJB 150.3A-2009 and Client's Requirement	No cracks, no fractures.	/
2	Low Temperature Resistance Test	GJB 150.4A-2009 and Client's Requirement	No cracks, no fractures.	/
3	Tensile Test	GB/T 1040.2-2022	See Result	/
4	Test Method for Wear by Rolling	GB/T 5478-2008	88.6 mg	/

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



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TEST REPORT

No. : SHMR250801875701

Date : Oct 10, 2025

Page: 3 of 12

1. Test Item: High Temperature Test

Sample Description: A-Black specimens

Test Method: GJB 150.3A-2009 and Client's Requirement

Client's Requirement: Impact testing after high temperature.

Test Condition:

High temperature aging condition: 100°C, 24 h

After aging, fill the sample with filler (provided by client) and immediately conduct impact testing.

Impact conditions:

Hammer head mass: 300 g

Impact height: 100 mm

Test Result:

Sample A

Specimen	Appearance
A	No cracks, no fractures.

Note: The test method GJB 150.3A-2009 is not in the accredited testing scope of CNAS.



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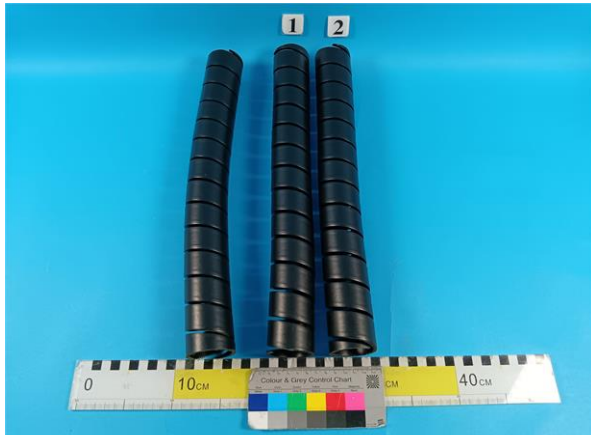
TEST REPORT

No. : SHMR250801875701

Date : Oct 10, 2025

Page: 4 of 12

Test Photo:

	
Reference sample Test sample Before Test-Sample A	Reference sample Test sample After Test-Sample A
	/
The close-up after test-Sample A	/

Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Oven	UF260	P-537	2025-04-14	2026-04-13



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TEST REPORT

No. : SHMR250801875701

Date : Oct 10, 2025

Page: 5 of 12

2. Test Item: Low Temperature Resistance Test

Sample Description: B-White specimens

Test Method: GJB 150.4A-2009 and Client's Requirement

Client's Requirement: Impact testing after low temperature.

Test Condition:

Temperature: -50°C

Test Period: 24 h

After aging, fill the sample with filler (provided by client) and immediately conduct impact testing.

Impact conditions:

Hammer head mass: 300 g

Impact height: 100 mm

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

Test Result:

Sample B

Specimen	Appearance
B	No cracks, no fractures.

Note: The test method GJB 150.4A-2009 is not in the accredited testing scope of CNAS.



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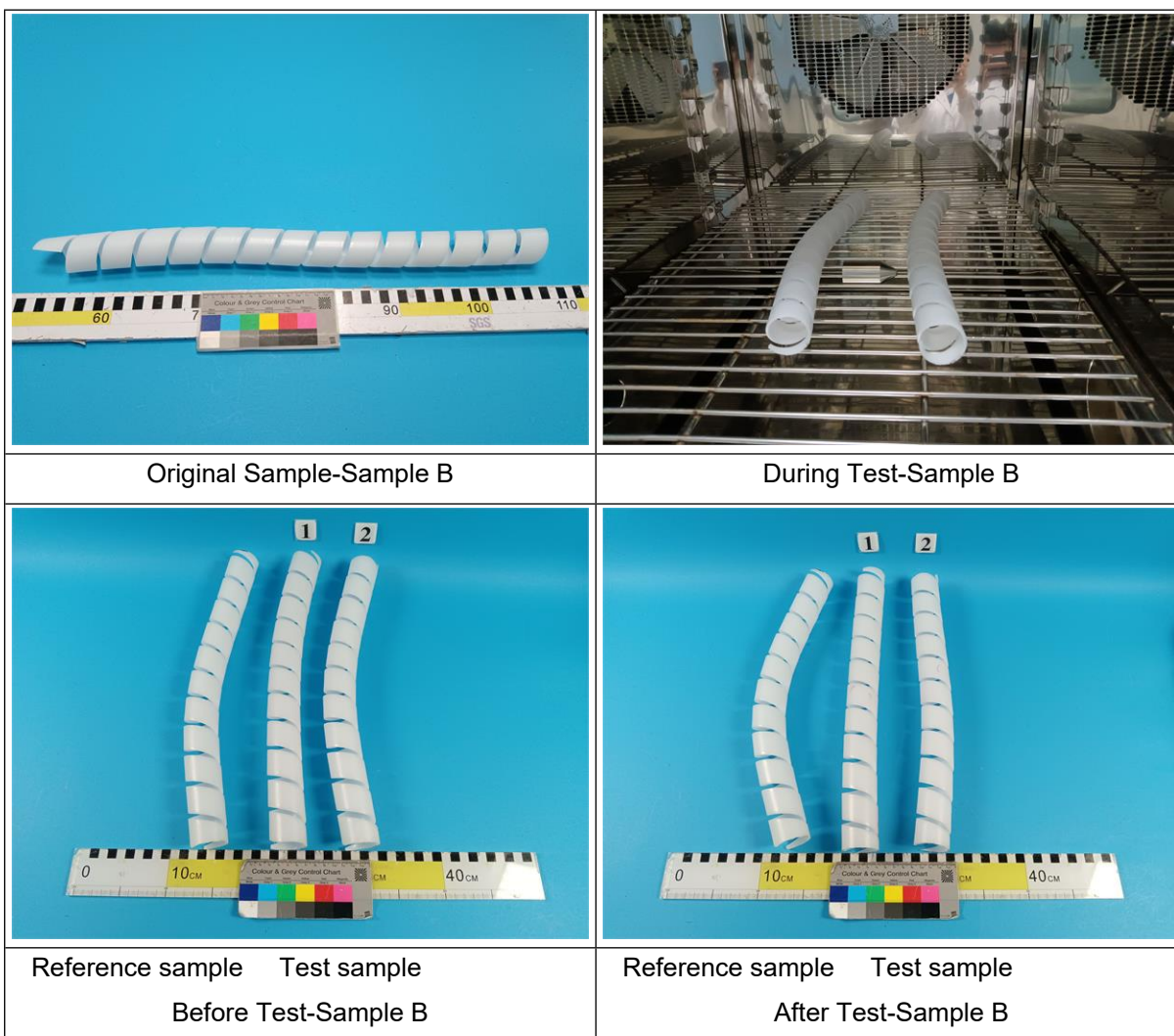
TEST REPORT

No. : SHMR250801875701

Date : Oct 10, 2025

Page: 6 of 12

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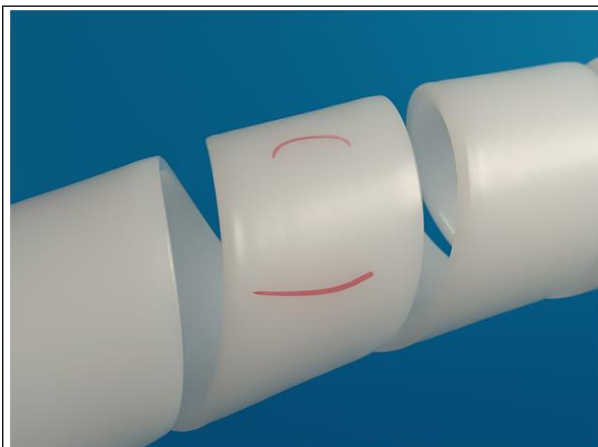


TEST REPORT

No. : SHMR250801875701

Date : Oct 10, 2025

Page: 7 of 12



The close-up after test -Sample B

/

/

Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Climate Test Chamber	C7-340 E series	P-877	2024-12-26	2025-12-25



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TEST REPORT

No. : SHMR250801875701

Date : Oct 10, 2025

Page: 8 of 12

3. Test Item: Tensile Test

Sample Description: C1-White particle

Test Method: GB/T 1040.2-2022

Test Condition:

Specimen Type: Type 1A

Specimen Thickness: 3.983 mm

Testing Speed: Tensile Modulus: 1 mm/min; Tensile Strength: 50 mm/min

Gauge Length: 75 mm

Initial Distance between Grips: 115 mm

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

Test Result:

Sample C1-拉伸

Test Item	Test Result
Tensile Strength	26.1 MPa
Nominal Tensile Strain at Break	60 %
Tensile Modulus	1140 MPa

Original data:

Specimen No.	1	2	3	4	5
Tensile Strength, MPa	26.11	26.26	26.05	26.17	26.15
Nominal Tensile Strain at Break, %	64.1	58.7	59.2	58.5	58.8
Tensile Modulus, MPa	1144	1148	1122	1142	1142

Note: Test specimens were injection molded.



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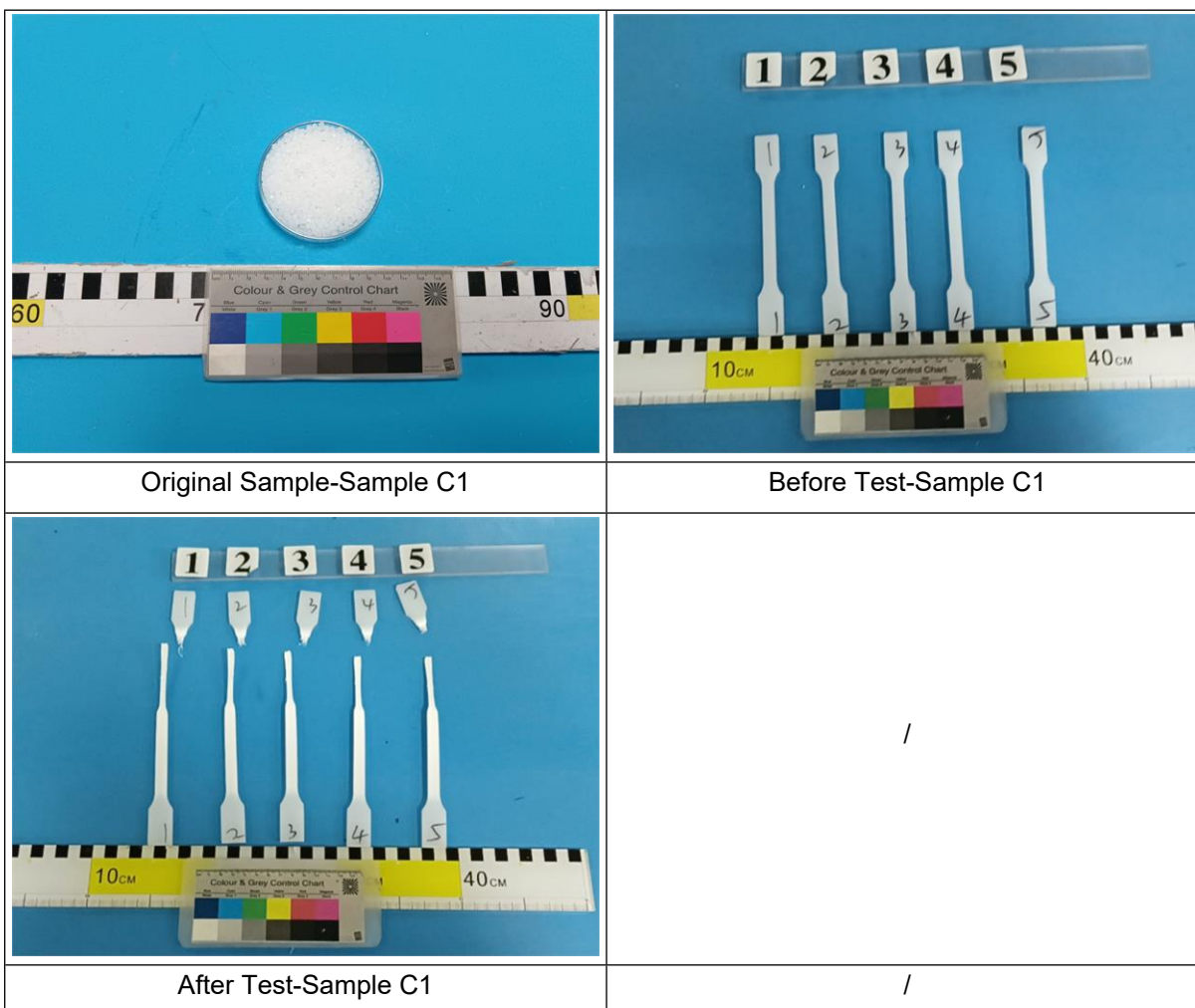
TEST REPORT

No. : SHMR250801875701

Date : Oct 10, 2025

Page: 9 of 12

Test Photo:



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Universal testing machine	BTC-EXMULTI.002	P-499	2024-12-03	2025-12-02



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TEST REPORT

No. : SHMR250801875701

Date : Oct 10, 2025

Page: 10 of 12

4. Test Item: Test Method for Wear by Rolling

Sample Description: C3-White particle

Test Method: GB/T 5478-2008

Test Condition:

Speed: 60 rpm

Number of Revolutions:1000

Wheel Type:H-18

Load:1000 g/Wheel

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

Test Result:

Sample	Mass Loss(mg)
C3	88.6 mg

Note:

- 1.Weight loss = weight before test – weight after test
2. The test specimen is cut after injection molding.
- 3.The test method GB/T 5478-2008 is not in the accredited testing scope of CNAS.



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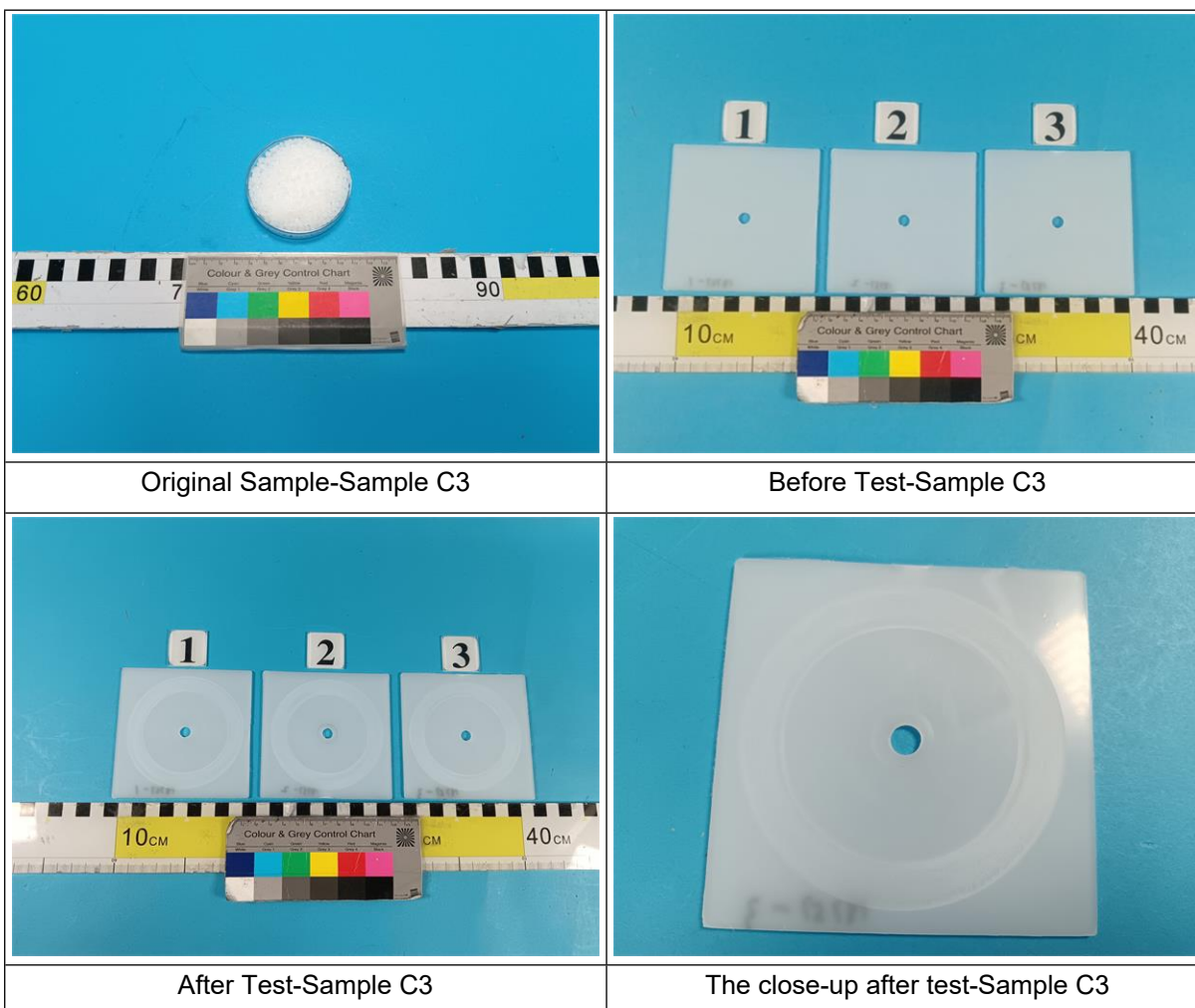
TEST REPORT

No. : SHMR250801875701

Date : Oct 10, 2025

Page: 11 of 12

Test Photo:



TEST REPORT

No. : SHMR250801875701

Date : Oct 10, 2025

Page: 12 of 12

Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Electron balance	XPE204	P-403	2024-11-14	2025-11-13
Wearometer	Model5155	P-680	2024-10-11	2025-10-10

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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