

TEST REPORT

No. : GZMR260702460301

Date : Aug 06, 2026

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CUSTOMER NAME: SHENZHEN XINTAO NEW MATERIALS CO., LTD
ADDRESS: 11 / F, BUILDING G1, XINGHE WORLD BUILDING, NO.1 YABAO ROAD,
LONGGANG DISTRICT, SHENZHEN

Sample Name : Cast Acrylic Sheet

Supplier : XINTAO

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. : DGP26-005491

Date of Receipt : Jul 10, 2026

Testing Start Date : Jul 10, 2026

Testing End Date : Aug 06, 2026

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

Chypre Chen
Authorized signatory



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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Charpy Impact Strength	GB/T 1043.1-2008	15 kJ/m ² C	Pass
2	Rockwell Hardness	GB/T 3398.2-2008	L109	Pass
3	Deflection Temperature under Load	GB/T 1634.2-2019	91 °C	Pass
4	Total Luminous Transmittance	GB/T 2410-2008 Method A	93.2%	Pass
5	Vicat Softening Temperature	GB/T 1633-2025	105.6 °C	Pass
6	Appearance	GB/T 7134-2008 Section 6.2	See result	N/A
7	Dimensional Change after Heating	GB/T 7134-2008 Section 6.6.3, Annex A	See result	Pass

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



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1. Test Item: Charpy Impact Strength

Sample Description: A-Sheet

Test Method: GB/T 1043.1-2008

Pretreatment Condition: (23 ± 2) °C, (50 ± 5) %RH, 24 h

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

Test Result:

Sample A

Impact Speed:2.9 m/s

Span:62mm

Specimen Type:GB/T 1043.1/1eU

The Capacity of the Pendulum:5 J

Specimen Thickness:3.52 mm

Test Item	Charpy Unnotched Impact Strength, kJ/m ²	Failure Type
Test Result	15	C
Client's Requirement	≥15	N/A
Conclusion	Pass	N/A

Notes:

1. Test specimens were cut from the sample.
2. The types of failure: N = Non-break, P = Partial break, H = Hinge break, C =Complete break.
- 3.The protected film of test specimens was ripped off before test.



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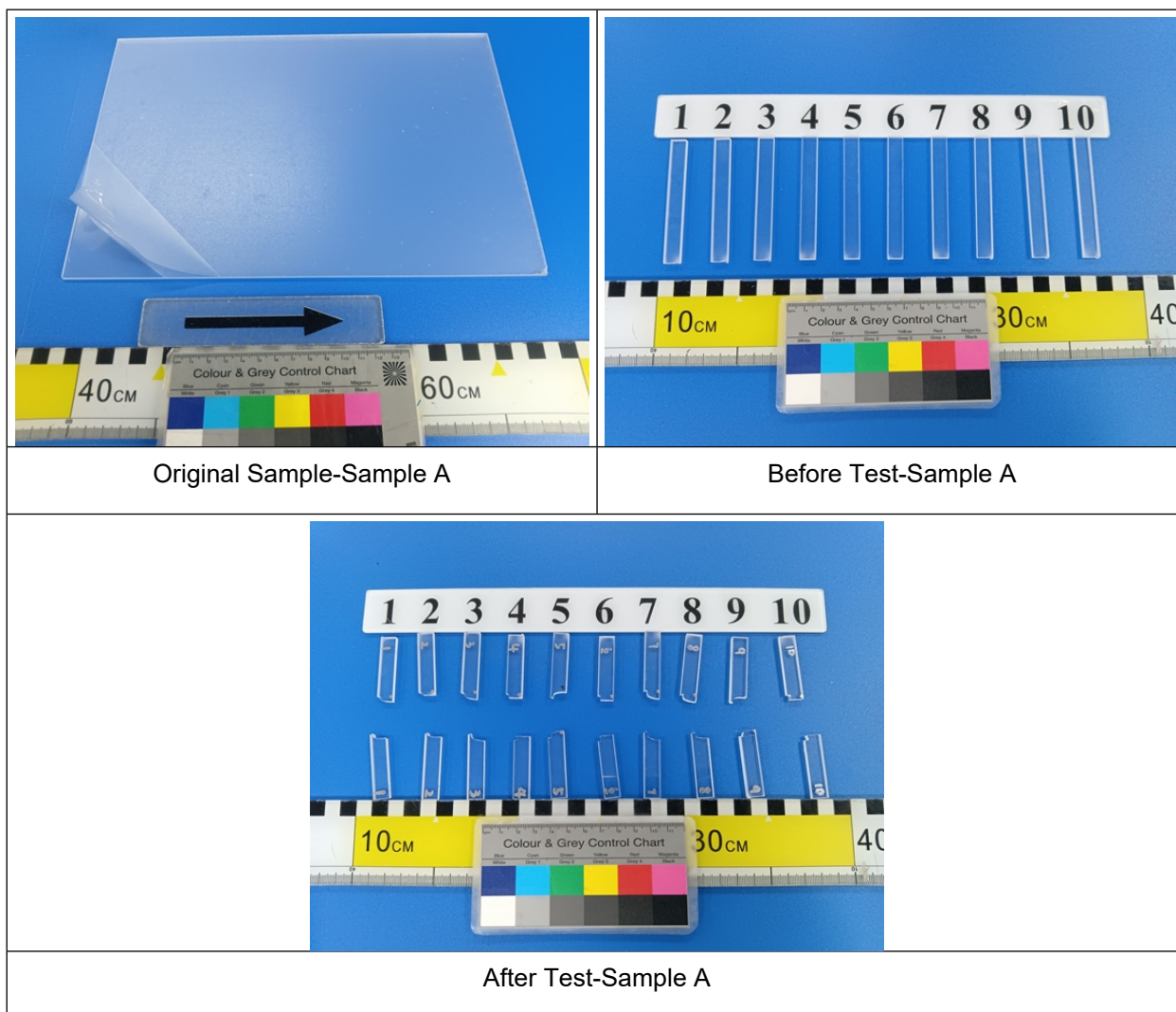
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Test Photo:



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Impact Tester	HIT50P	GZMR-PL-E283	2026-03-03	2027-03-02



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2. Test Item: Rockwell Hardness

Sample Description: A-Sheet

Test Method: GB/T 3398.2-2008

Lab Environmental Condition: $(23 \pm 2) ^\circ\text{C}$, $(50 \pm 5) \% \text{RH}$

Test Condition:

Specimen thickness: 6.8 mm (2 layers plied up)

Test Result:

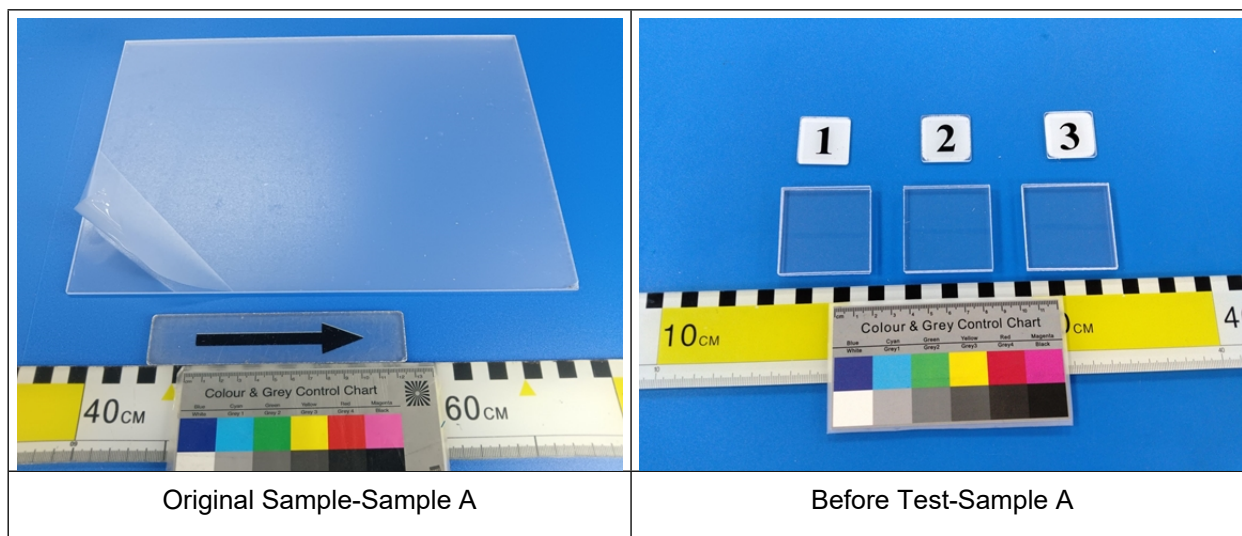
Sample A

Test Item	Rockwell Hardness
Test Result	L109
Client's Requirement	≥ 95
Conclusion	Pass

Notes:

1. Test specimens were cut from the sample.
2. The protected film of test specimens was ripped off before test.

Test Photo:



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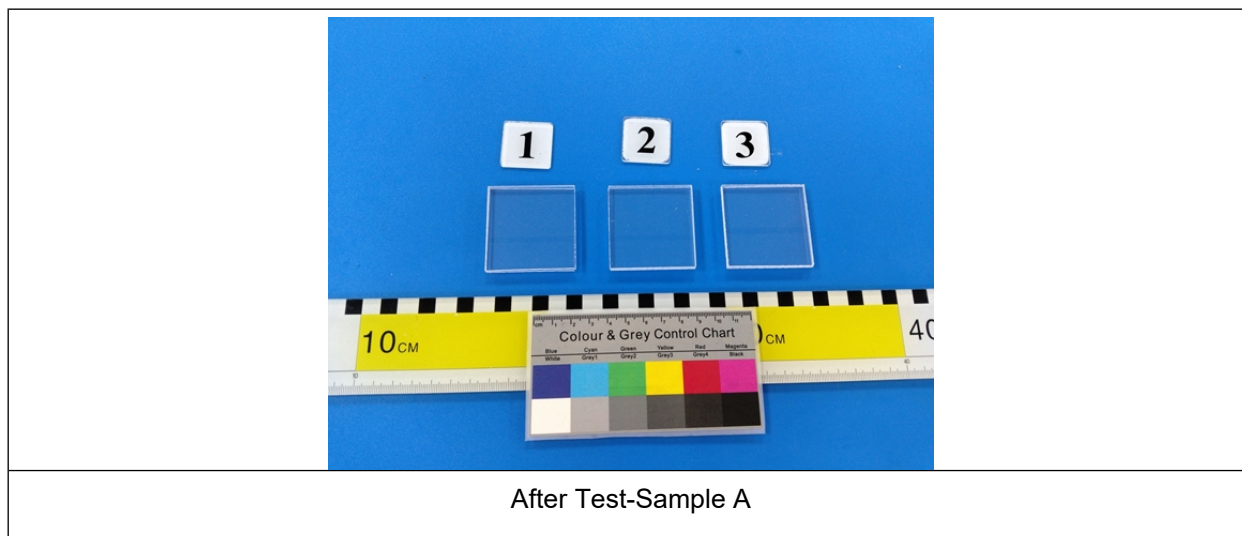
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Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Rockwell Hardness Testing Machine	560RSS	GZMR-MT-E140	2025-07-22	2026-07-21
Rockwell Hardness Testing Machine	560RSS	GZMR-MT-E140	2026-06-25	2027-06-24



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3. Test Item: Deflection Temperature under Load

Sample Description: A-Sheet

Test Method: GB/T 1634.2-2019

Pretreatment Condition: $(23 \pm 2) ^\circ\text{C}$, $(50 \pm 5) \% \text{RH}$, 96 h

Test Condition:

Specimen: 80mm x 10.20 mm x 3.63 mm

Heat-transfer media: Silicone oil

Rate of temperature: 120 $^\circ\text{C/h}$

Test Result:

Sample A

Test Method:A (Tf1.8)

Span:64 mm

Test Item	Deflection Temperature under Load, $^\circ\text{C}$
Test Result	91
Client's Requirement	≥ 90
Conclusion	Pass

Notes:

1. Test specimens were cut from the sample.
2. The protected film of test specimens was ripped off before test.



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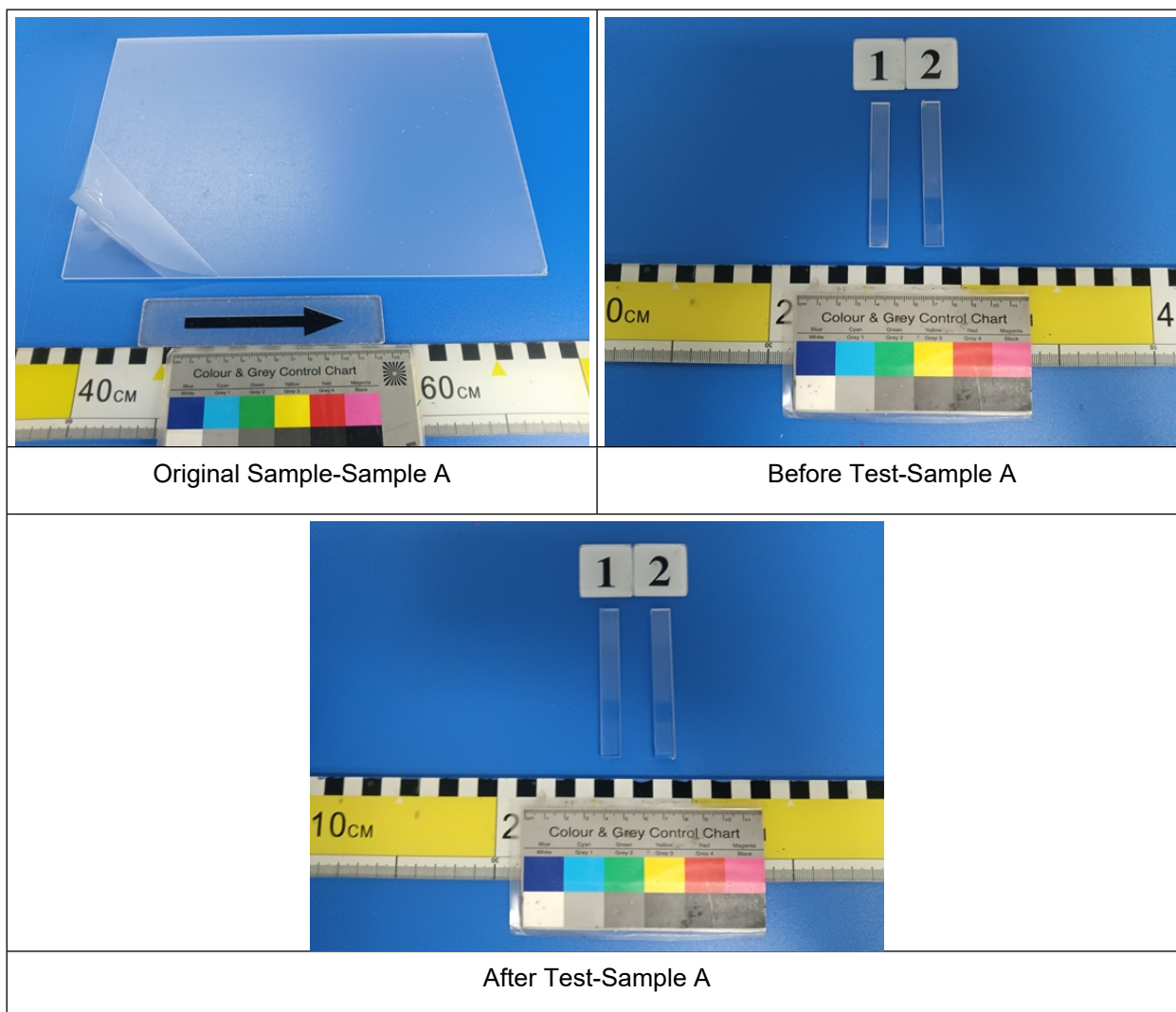
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Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
HDT and VICAT Tester	6970.000	GZMR-PL-E091	2026-02-27	2027-02-26



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4. Test Item: Total Luminous Transmittance

Sample Description: A-Sheet

Test Method: GB/T 2410-2008 Method A

Pretreatment Condition: $(23 \pm 2)^\circ\text{C}$, $(50 \pm 5)\% \text{RH}$, 48 hLab Environmental Condition: $(23 \pm 2)^\circ\text{C}$, $(50 \pm 5)\% \text{RH}$

Test Result:

Sample A

Light source:C

Specimen Thickness:3.43mm

Test Item	Luminous Transmittance, %
Test Result	93.2
Client's Requirement	≥ 92
Conclusion	Pass

Notes:

1. Test specimens were cut from the sample.
2. The protected film of test specimens was ripped off before test.



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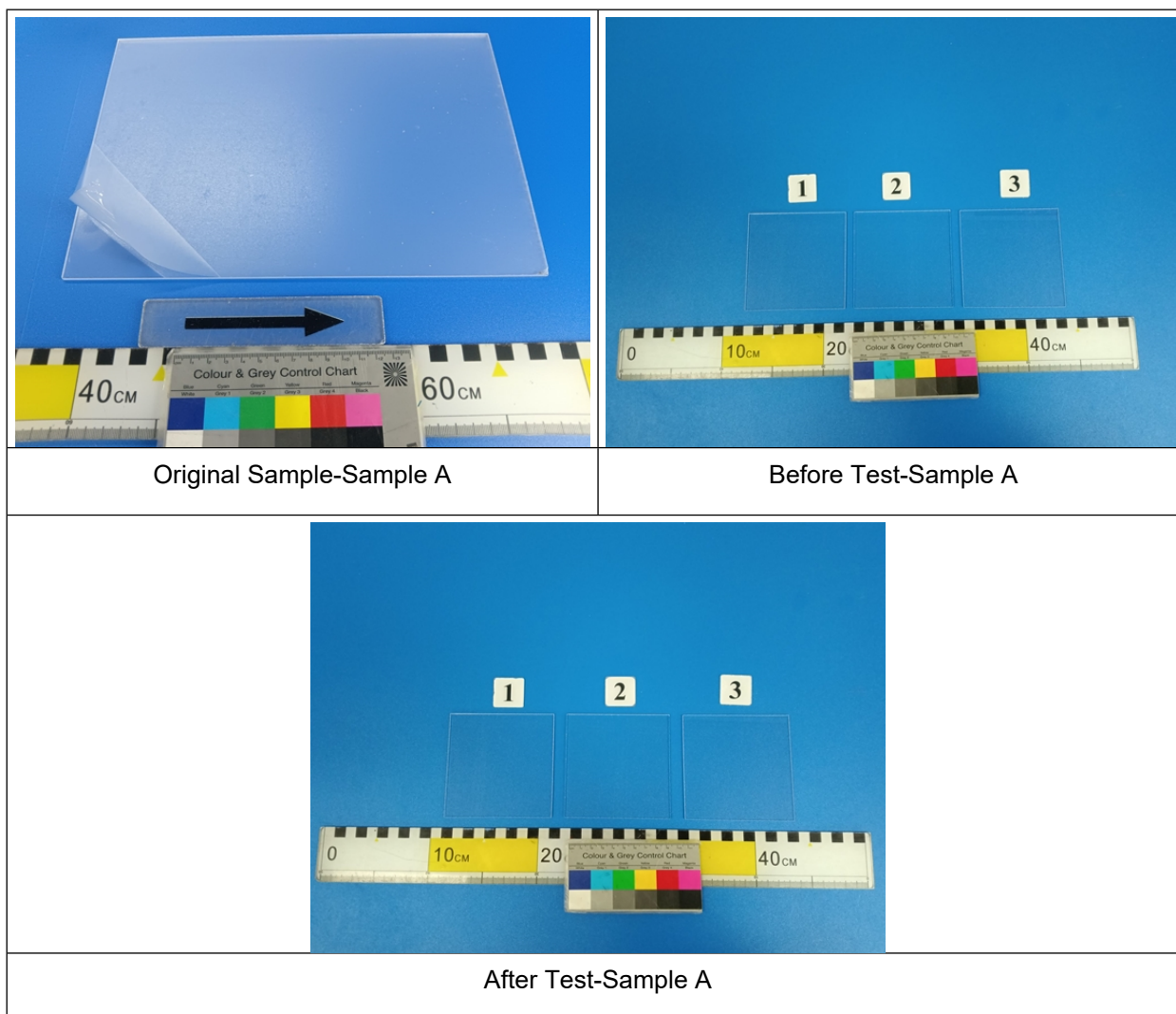
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Test Photo:



Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Hazemeter	NDH5000	GZMR-PL-E083	2026-06-04	2027-06-03



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5. Test Item: Vicat Softening Temperature

Sample Description: A-Sheet

Test Method: GB/T 1633-2025

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

Test Condition:

Specimen thickness: 3.49 mm

Heat-transfer media: Silicone oil

Test Result:

Sample A

Test Method: B50 (Rate of temperature: 50°C/h , Load: 50N)

Test Item	Vicat Softening Temperature, °C
Test Result	105.6
Client's Requirement	≥100
Conclusion	Pass

Notes:

1. Test specimens were cut from the sample.
2. The protected film of test specimens was ripped off before test.



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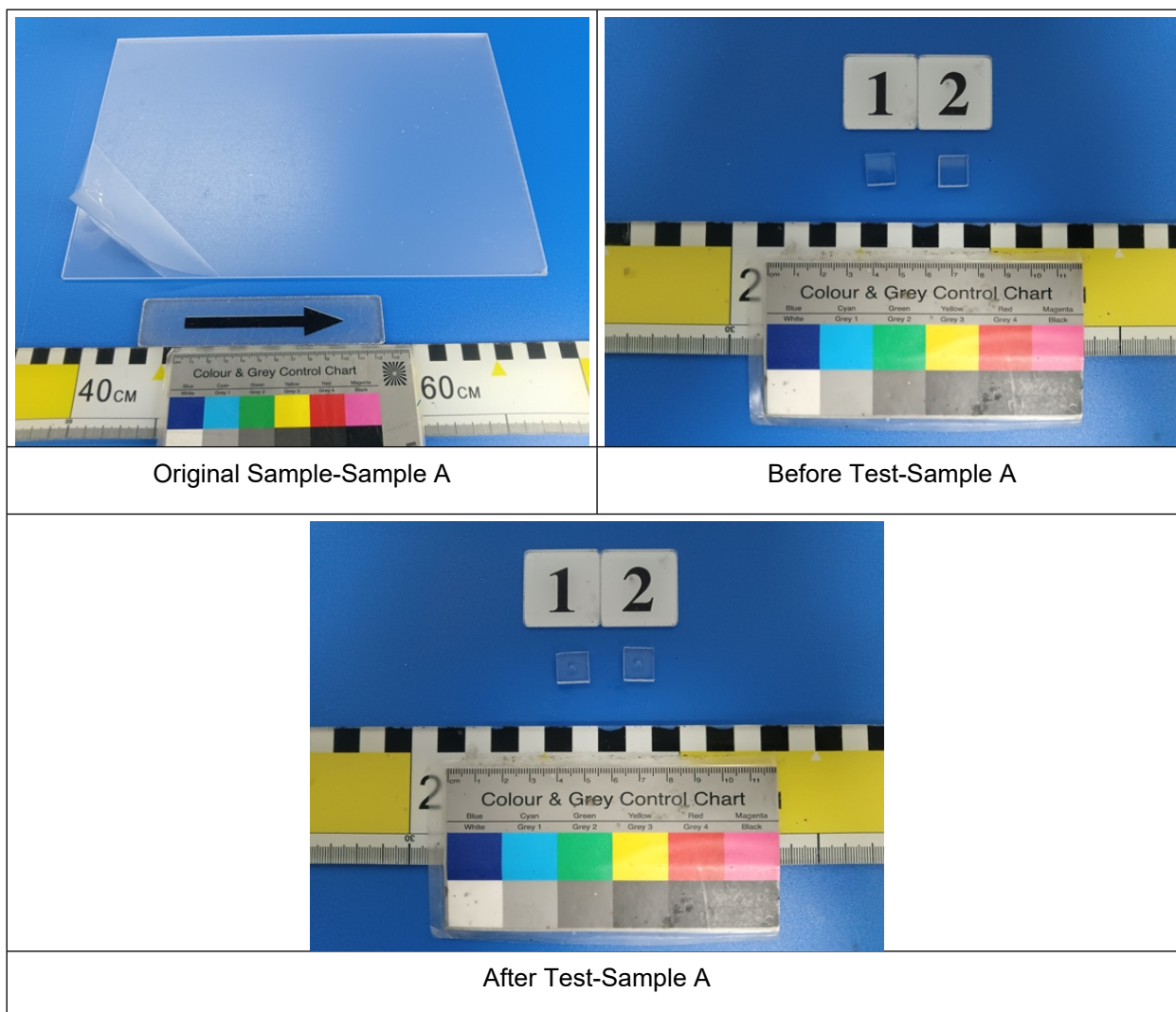
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Test Photo:



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Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
HDT and VICAT Tester	IC 6	GZMR-PL-E348	2026-04-21	2027-04-20



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6. Test Item: Appearance

Sample Description: A-Sheet

Test Method: GB/T 7134-2008 Section 6.2

Test Condition:

inspect visually under natural light

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

Test Result:

Sample A

Test Item	Test Result
Surface Defects	Smooth surface without scratches, spots or other surface defects larger than 3mm ²
Internal Defect	There are no bubbles, impurities, cracks, or other defects larger than 3mm ² that may have adverse effects on the expected application performance of the board

Note:

1. The protected film of test specimens was ripped off before test.
2. Test item is not within the CNAS accredited scope.



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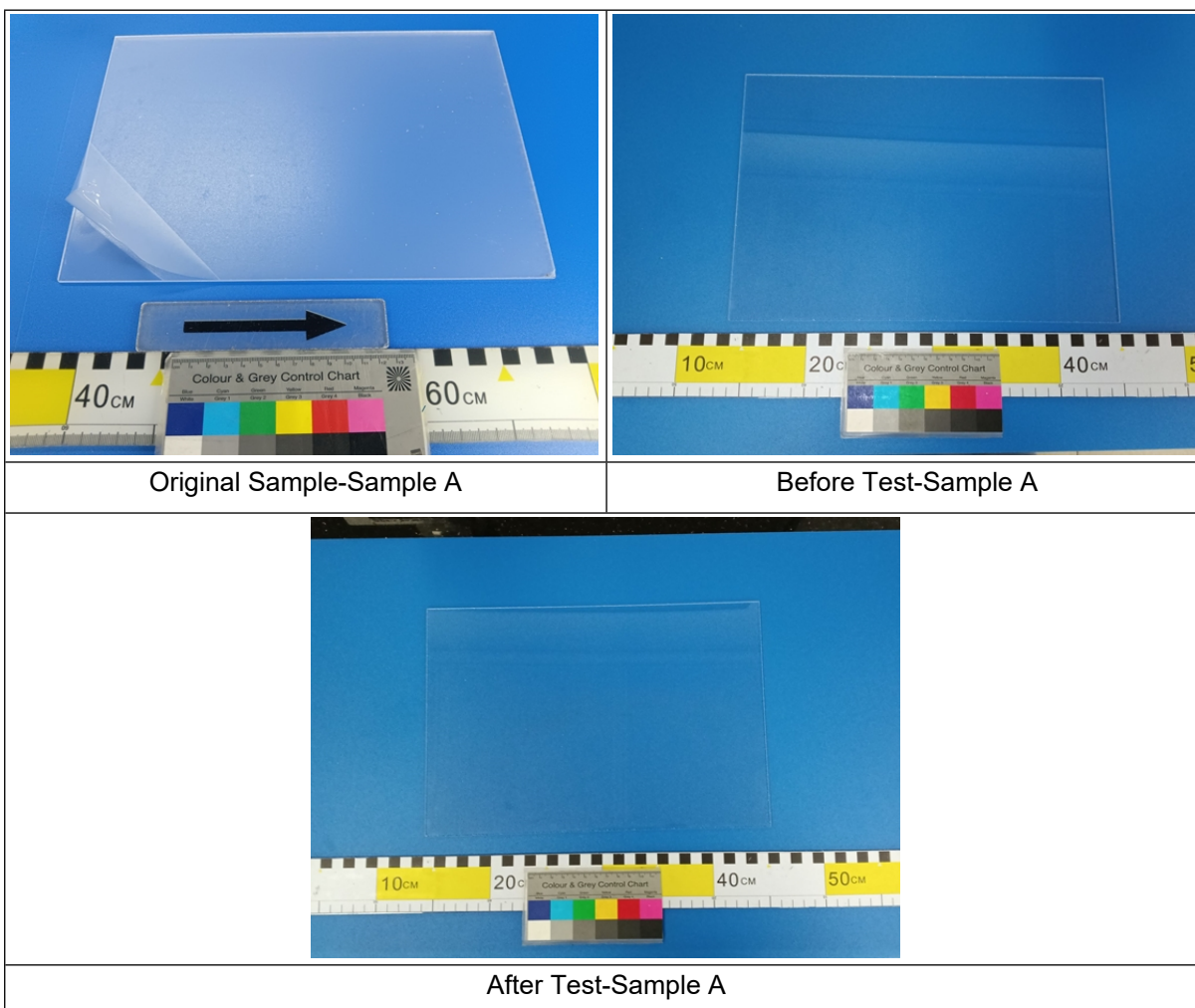
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Test Photo:



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7. Test Item: Dimensional Change after Heating

Sample Description: A-Sheet

Test Method: GB/T 7134-2008 Section 6.6.3, Annex A

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

Test Condition:

Specimen: 100 mm x 100 mm x 3.36 mm

Test Result:

Sample A

Pretreatment Condition: 70°C, 48h → Cool down to 23 °C in a desiccator

Heat Condition: 160 °C, 60 min → Cool down to room temperature in a desiccator

Test Item	Dimensional Variation Rate, %	Appearance
Test Result	2.0	No visible changes
Client's Requirement	≤2	N/A
Conclusion	Pass	N/A

Notes:

1. Test specimens were cut from the sample.
2. The protected film of test specimens was ripped off before test.
3. Dimensional Variation Rate, % = (Dimension before heating - Dimension after heating) / Dimension before heating × 100
4. Test item is not within the CNAS accredited scope.



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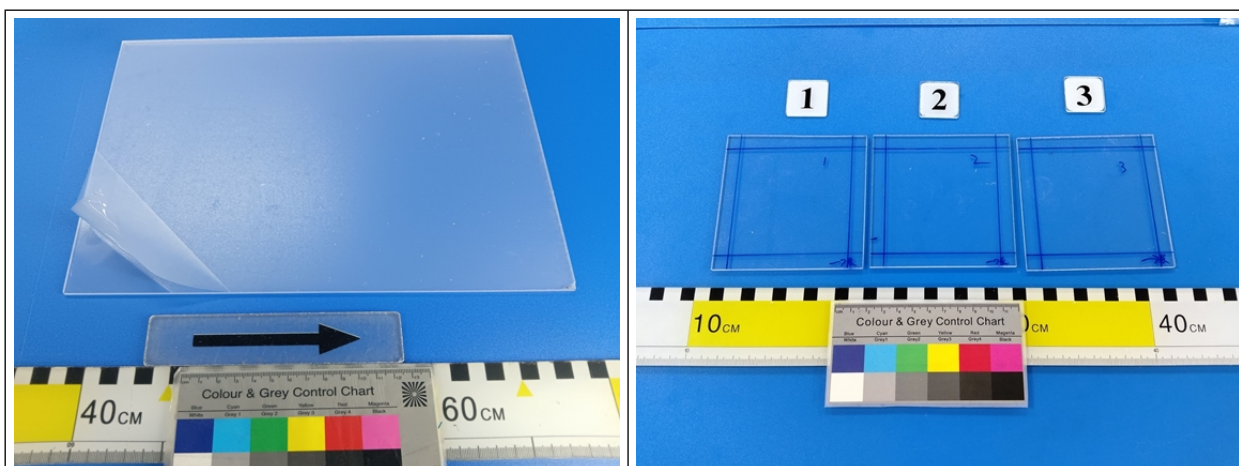
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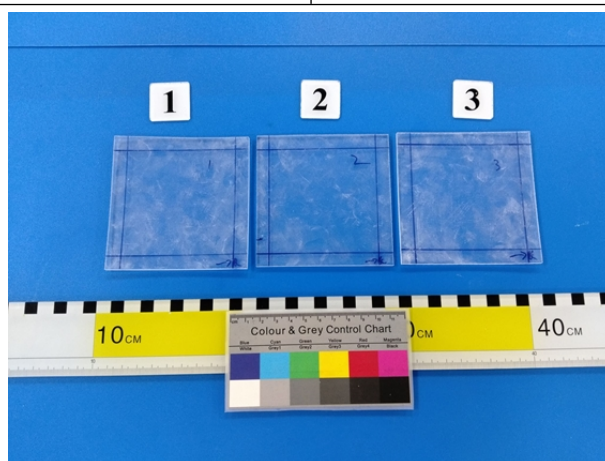
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Test Photo:



Original Sample-Sample A

Before Test-Sample A



After Test-Sample A



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TEST REPORT

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Equipment Information:

Equipment Name	Model	Equipment No.	Calibration date	Next Calibration date
Oven	UF110	GZMR-PL-E427	2025-08-18	2026-08-17
Digital Vernier Caliper	CD-20AX	GZMR-PL-E041-17	2025-12-01	2026-11-30
Oven	UF750	GZMR-AG-E181	2026-05-22	2027-05-21

Appendix information:

*Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

*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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