



中国认可
国际互认
检测
TESTING
CNAS L0167

TEST REPORT

No. : GZMR240802243502

Date : Aug 09, 2024

Page: 1 of 6



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

Sample Name : Cast Acrylic 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. : SZP24-034292

Date of Receipt : Aug 02, 2024

Testing Start Date : Aug 02, 2024

Testing End Date : Aug 09, 2024

Test result(s) : For further details, please refer to the following page(s)

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd. Guangzhou Branch

Cathy Peng
Authorized signatory

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SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Measurement Laboratory

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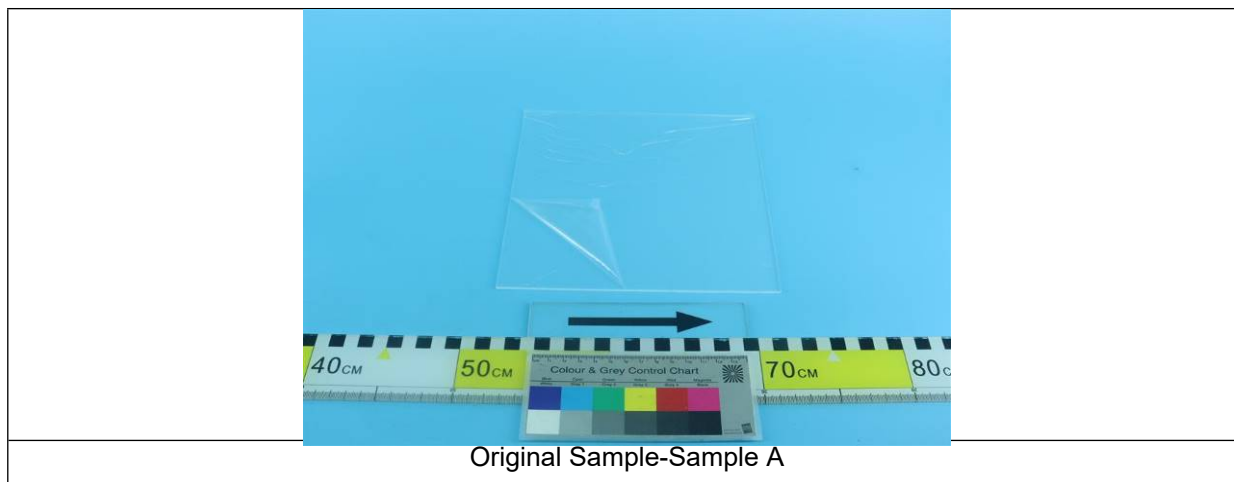
Page: 2 of 6

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Charpy Impact Strength	GB/T 1043.1-2008	15kJ/m ² C (complete break)	Pass
2	Rockwell Hardness	GB/T 3398.2-2008	112 L	/
3	Deflection Temperature under Load	GB/T 1634.2-2019 Method A	99℃	Pass

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

Original Sample Photo:



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1. Test Item: Charpy Impact Strength

Sample Description: Sheet

Test Method: GB/T 1043.1-2008

Test Condition:

Specimen: GB/T 1043.1/1eU

Specimen thickness: 3.14mm

The capacity of the pendulum: 4J

Impact speed: 2.90m/s

Span: 62mm

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

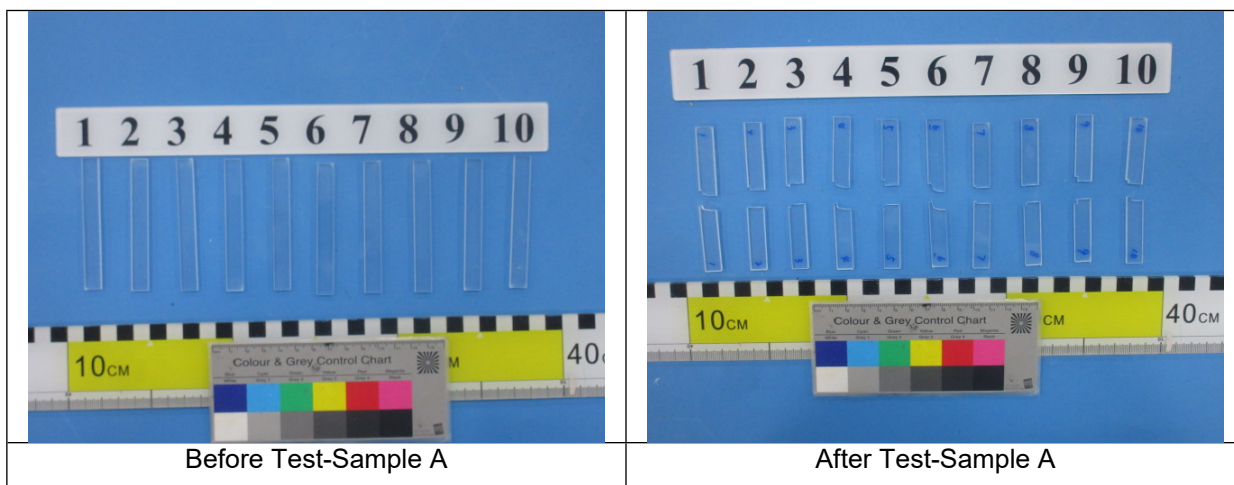
Test Result:

Test Item	Test Result	Client's Requirement	Conclusion
Charpy Unnotched Impact Strength	15kJ/m ² C (complete break)	≥14kJ/m ²	Pass

Note:

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

Test Photo:



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Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Impact Tester	HIT50P	GZMR-PL-E283	2024-05-21	2025-05-20

2. Test Item: Rockwell Hardness

Sample Description: Sheet

Test Method: GB/T 3398.2-2008

Test Condition:

Specimen thickness: 6.33mm (2 layers plied up)

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

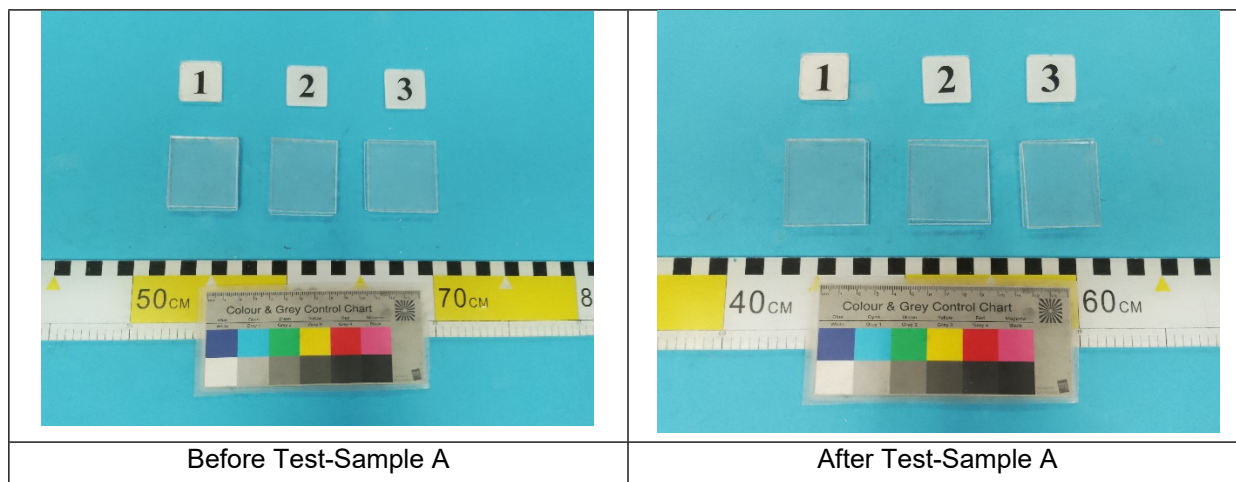
Test Result:

Test Item	Test Result
Rockwell Hardness	112 L

Note:

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

Test Photo:



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Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Hazemeter	NDH5000	GZMR-PL-E083	2024-06-21	2025-06-20

3.Test Item: Deflection Temperature under Load

Sample Description: Sheet

Test Method: GB/T 1634.2-2019 Method A

Test Condition:

Specimen: 80mm×10.34mm×3.36mm

Heat-transfer media: Silicone oil

T_f1.8

Rate of temperature:120℃/h

Span: 64mm

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

Test Result:

Test Item	Test Result	Client's Requirement	Conclusion
Deflection Temperature under Load	99℃	≥90℃	Pass

Note:

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



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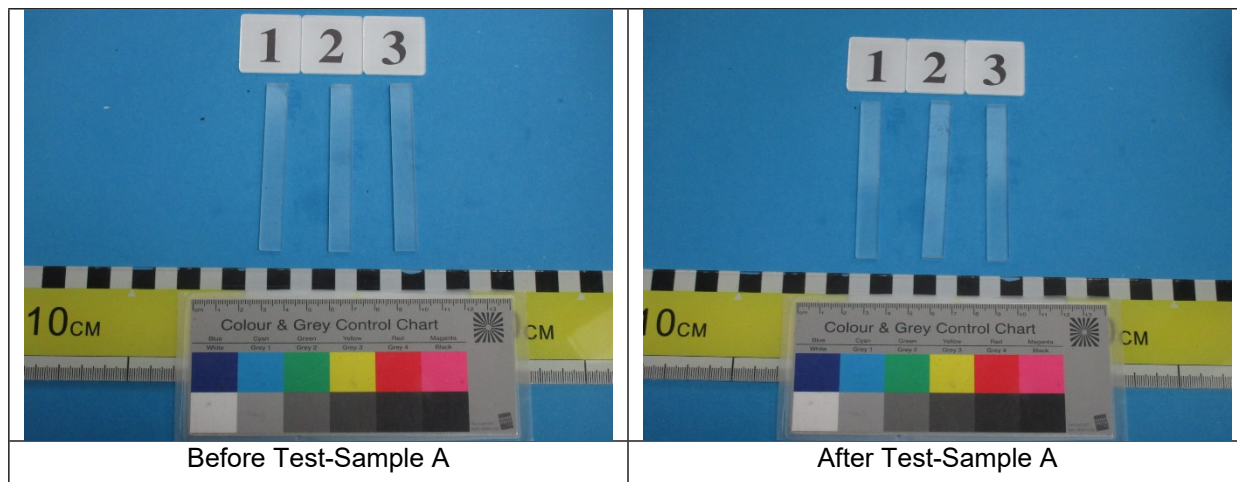
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Test Photo:



Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
HDT and VICAT Tester	6970.000	GZMR-PL-E091	2023-11-27	2024-11-26

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 current test report is the English version of report number GZMR240802243502_CN. In case of any discrepancy between Chinese version and English version, the Chinese version shall prevail.

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



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