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检测
TESTING
CNAS L0599

TEST REPORT

No.: SHIN2606001894CM01_EN

Issue Date: 2026-06-26

Page: 1 of 12

CUSTOMER NAME: NANHAI DISPLAY LIMITED
ADDRESS: ROOM NO.532B ON 5/F, STAR HOUSE, NO.3 SALISBURY ROAD,
TSIM SHA TSUI, KOWLOON, HONG KONG

Sample Name : CELAENO® FILM
Product Specification : Width: 1220mm
Product or Lot No. : T0F2
Manufacturer : Xiuya Technology (Shanghai) Co., Ltd
Buyer : Changzhe Material Technology (Shanghai) Co., Ltd
Material : PET

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. : SHIN2606006050PL01
Sample Source : Customer-delivered
Date of Receipt : 2026-06-18
Testing Period : 2026-06-18 ~ 2026-06-26
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 and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Xander Yang

Xander Yang

Authorized signatory

Scan to see the report



SHIN2606001894CM01
Verification:
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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Light Transmittance	EN 410:2011 Section 5.2	41.33 %	N/A
2	Light Reflectance	EN 410:2011 Section 5.3	5.79 %	N/A
3	Total Solar Energy Transmittance	EN 410:2011 Section 5.4	61.77 %	N/A
4	Solar Direct Transmittance	EN 410:2011 Section 5.4.3	51.29 %	N/A
5	Solar Direct Reflectance	EN 410:2011 Section 5.4.4	4.92 %	N/A
6	Solar Direct Absorptance	EN 410:2011 Section 5.4.5	43.79 %	N/A
7	UV Transmittance	EN 410:2011 Section 5.5	15.24 %	N/A
8	Shading Coefficient	EN 410:2011 Section 5.7	0.71	N/A
9	Infrared Transmittance#	Provided by Client	71.60 %	N/A

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



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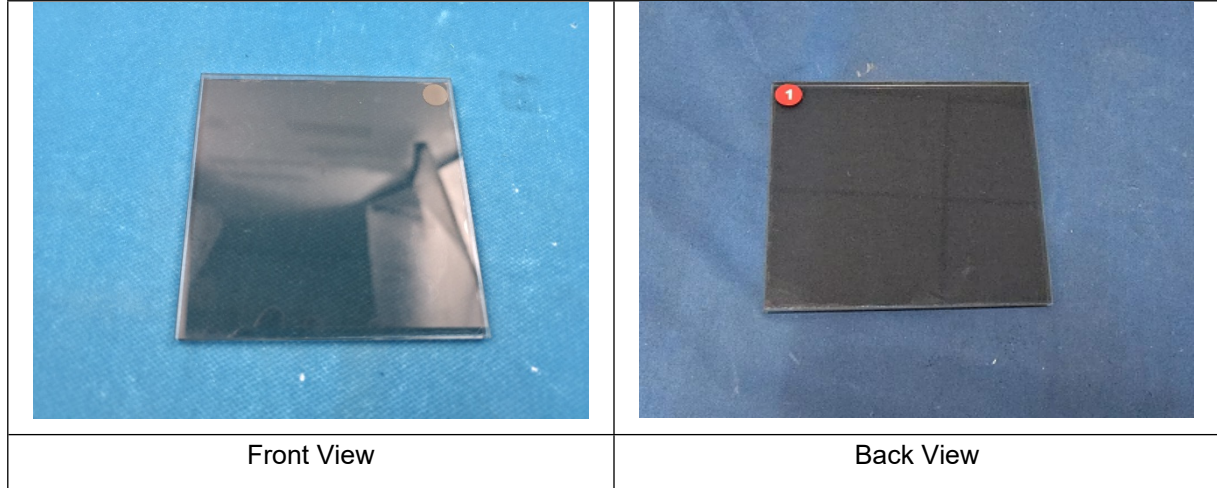
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Original Sample Photo(s):



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1. Test Item: Light Transmittance

Test Method: EN 410:2011 Section 5.2

Test Condition:

Specimen: 100mm×100mm×4mm, 1pc

Test View: Front View

Lab Environmental Condition: 23.4℃, 49.7%RH

Test Result:

Test Item	Test Result
Light Transmittance (%)	41.33



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2. Test Item: Light Reflectance

Test Method: EN 410:2011 Section 5.3

Test Condition:

Specimen: 100mm×100mm×4mm, 1pc

Test View: Front View

Lab Environmental Condition: 23.4℃, 49.7%RH

Test Result:

Test Item	Test Result
Light Reflectance (%)	5.79



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3. Test Item: Total Solar Energy Transmittance

Test Method: EN 410:2011 Section 5.4

Test Condition:

Specimen: 100mm×100mm×4mm, 1pc

Test View: Front View

Lab Environmental Condition: 23.4℃, 49.7%RH

Test Result:

Test Item	Test Result
Total Solar Energy Transmittance (%)	61.77



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4. Test Item: Solar Direct Transmittance

Test Method: EN 410:2011 Section 5.4.3

Test Condition:

Specimen: 100mm×100mm×4mm, 1pc

Test View: Front View

Lab Environmental Condition: 23.4℃, 49.7%RH

Test Result:

Test Item	Test Result
Solar Direct Transmittance (%)	51.29



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5. Test Item: Solar Direct Reflectance

Test Method: EN 410:2011 Section 5.4.4

Test Condition:

Specimen: 100mm×100mm×4mm, 1pc

Test View: Front View

Lab Environmental Condition: 23.4℃, 49.7%RH

Test Result:

Test Item	Test Result
Solar Direct Reflectance (%)	4.92



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6. Test Item: Solar Direct Absorptance

Test Method: EN 410:2011 Section 5.4.5

Test Condition:

Specimen: 100mm×100mm×4mm, 1pc

Test View: Front View

Lab Environmental Condition: 23.4℃, 49.7%RH

Test Result:

Test Item	Test Result
Solar Direct Absorptance (%)	43.79



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7. Test Item: UV Transmittance

Test Method: EN 410:2011 Section 5.5

Test Condition:

Specimen: 100mm×100mm×4mm, 1pc

Test View: Front View

Lab Environmental Condition: 23.4℃, 49.7%RH

Test Result:

Test Item	Test Result
UV Transmittance (%)	15.24



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Commercial Construction Technology Laboratory

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8. Test Item: Shading Coefficient

Test Method: EN 410:2011 Section 5.7

Test Condition:

Specimen: 100mm×100mm×4mm, 1pc

Test View: Front View

Lab Environmental Condition: 23.4℃, 49.7%RH

Test Result:

Test Item	Test Result
Shading Coefficient	0.71



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9. Test Item: Infrared Transmittance#

Test Method: Provided by Client

Test Condition:

Specimen: 100mm×100mm×4mm, 1pc

Test Procedure:

- 1) Place the specimen in the apparatus and measure the spectral transmittance at 5 nm intervals over the wavelength range of 780 nm to 2500 nm.
- 2) Calculate the arithmetic average of the transmittance values at every 5 nm interval across the wavelength range from 780 nm to 2500 nm.

Test View: Front View

Lab Environmental Condition: 23.4℃, 49.7%RH

Test Result:

Test Item	Test Result
Infrared Transmittance (%)	71.60

Test project/method is not within the CNAS accredited scope.

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

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