

TEST REPORT



REPORT NO. : HV-22-00615A

PAGE : 1 OF 4

REPORT DATE : FEB. 16, 2022

YEAR LONG INDUSTRIAL CO., LTD.

No. 57, Lane 315, Sec. 1 Erh Jen Road, Jen-Teh District, Tainan City, Taiwan

Product Name: Cast Acrylic Sheets
Supplier: YEAR LONG INDUSTRIAL CO., LTD.
Product Submitted By: YEAR LONG INDUSTRIAL CO., LTD.
Date of Sample Received: JANUARY 19, 2022
Date of Testing: JANUARY 19, 2022~FEBRUARY 10, 2022
Remark: The information mentioned in the above section and the following report content marks # are provided by Client.
(Exclude Product Submitted By, Date of Sample Received and Date of Testing)

The laboratory tests according to the test requests and samples provided by client, and the results are as follows:

Test Required:

1. Luminous Transmittance
2. Heat Deflection Temperature

Test Method: Please see attached sheets

Test Result: Please see attached sheets

Remark: 1. Luminous Transmittance test and Heat Deflection Temperature test are subcontracted to SGS M&E Laboratory-Kaohsiung.
2. This Test Report is an additional original report of HV-22-00615. Issued date: MAY 10, 2023.

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The value of required specifications are for reference only.
Conformity judgement is the Applicant's final verdict.

**Signed for and on behalf of
SGS Taiwan Ltd.**

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1. Luminous Transmittance

Test Equipment:

Name	Brand	Model
Spectrophotometer	Hunter Lab	UltraScan VIS

Test Method:

ASTM D1003-13

Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics

Test Condition:

Lighting source:

CIE illuminant C

Wavelength:

360~780nm

Standard Observer:

2 ° (CIE 1931 standard colorimetric observer)

Test Result:

Test Item(s)	Test Result(s)
Luminous Transmittance (%)	92.57

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2. Heat Deflection Temperature

Test Equipment :

Name	Brand	Model
HDT VICAT Tester	GOTECH	HV-2000A

Test Method :

ASTM D648-18 Standard Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position Method B

Test Condition :

#Specimen Type : provided by client
 Sample condition: Condition 40 h at (23 ± 2) °C and (50 ± 10) % relative humidity.
 Test Load : 0.455 MPa
 Rate of temperature rise : (2.0±0.2) °C / min.
 Initial starting temperature : 24 °C
 Heat-transfer medium : silicone oil
 Number of test pieces : Two test pieces shall be tested, test result is the mean of two individual test measurement values.

Test Result :

Test Item(s)	Test Result(s)
Heat Deflection Temperature (°C)	112.4

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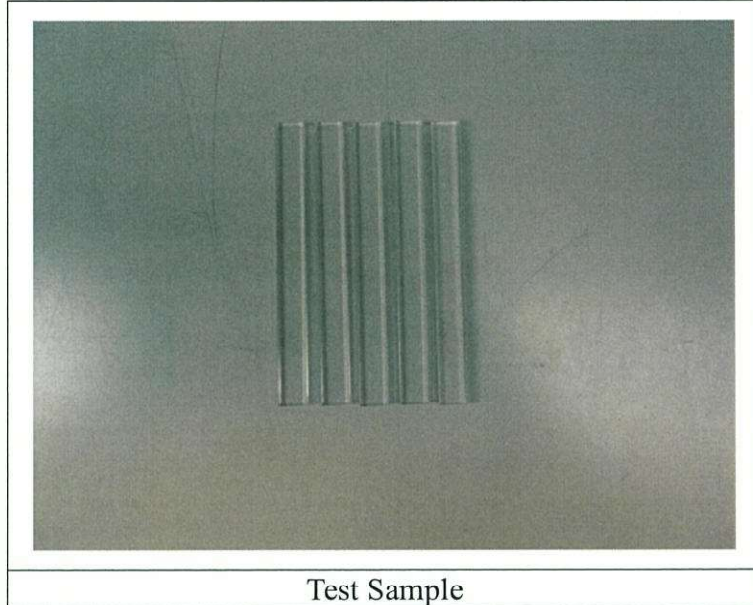


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Sample Photo:



Test Sample

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