

# TEST REPORT



REPORT NO. : HV-20-00820

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REPORT DATE : Feb. 19, 2020

## CHO CHEN INDUSTRY CO., LTD.

No. 35, Sec. 1, Pao An Rd, Rende Dist, Tainan City, Taiwan R.O.C.

Product Name: Cast Acrylic Sheet  
Product Type: CC-0000 ; CC-4318 ; CC-491K  
Product Color: Transparent ; Opal  
Manufacturer: CHO CHEN INDUSTRY CO., LTD.  
Supplier: CHO CHEN INDUSTRY CO., LTD.  
Product Submitted By: CHO CHEN INDUSTRY CO., LTD.  
Date of Received: FEBRUARY 14, 2020  
Date of Testing: FEBRUARY 14, 2020~FEBRUARY 19, 2020  
Remark: 1.The information mentioned in the above section is provided by Client  
(Exclude Date of Sample Received and Date of Testing)  
2.The following report content marks # is provided by Client

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

Test Required : Flammability Test

Test Method : Please see attached sheets

Test Result : Please see attached sheets

Remark: Test location is the same as the laboratory address.

----- 1 -----

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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### Flammability Test

Test Equipment :

Name	Brand	Model
150 mm Digimatic Caliper	MITUTOYO	500-196-30
Horizon Vertical Flame Chamber	ATLAS	HVUL2

Test Method :

Ref. to UL94 (2013) Test for Flammability of Plastic Materials for Parts in Devices and Appliances

Test Condition :

Conditioning : Specimens are to be preconditioned at  $23\pm 2^{\circ}\text{C}$  and  $50\pm 5\%$  percent relative humidity for 48 hours

Test Data :

#Test sample : CC-0000

Test Items	Specimen 1	Specimen 2	Specimen 3
Thickness(mm)	2.61	2.67	2.64
Burning rate (mm/min) (The flame front passed the 25mm mark)	25.52	27.71	28.02
Whether or not the flame front passed the 25mm marks	Yes	Yes	Yes
Whether or not the flame front passed the 100mm marks	Yes	Yes	Yes

#Requirement :

1. Not have a burning rate exceeding 40mm per minute over a 75mm span for specimens having a thickness of 3.0 to 13mm, or
2. Not have a burning rate exceeding 75mm per minute over a 75mm span for specimens having a thickness less than 3.0, or
3. Cease to burn before the 100mm reference mark.

Test Result :

Test data is compliant with the requirements of UL 94 Horizontal Burning Test.

----- 2 -----

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#Test sample : CC-4318

Test Items	Specimen 1	Specimen 2	Specimen 3
Thickness(mm)	2.68	2.66	2.74
Burning rate (mm/min) (The flame front passed the 25mm mark)	28.61	29.13	28.77
Whether or not the flame front passed the 25mm marks	Yes	Yes	Yes
Whether or not the flame front passed the 100mm marks	Yes	Yes	Yes

#Requirement :

1. Not have a burning rate exceeding 40mm per minute over a 75mm span for specimens having a thickness of 3.0 to 13mm, or
2. Not have a burning rate exceeding 75mm per minute over a 75mm span for specimens having a thickness less than 3.0, or
3. Cease to burn before the 100mm reference mark.

Test Result :

Test data is compliant with the requirements of UL 94 Horizontal Burning Test.

#Test sample : CC-491K

Test Items	Specimen 1	Specimen 2	Specimen 3
Thickness(mm)	2.68	2.64	2.63
Burning rate (mm/min) (The flame front passed the 25mm mark)	23.56	29.70	34.25
Whether or not the flame front passed the 25mm marks	Yes	Yes	Yes
Whether or not the flame front passed the 100mm marks	Yes	Yes	Yes

#Requirement :

1. Not have a burning rate exceeding 40mm per minute over a 75mm span for specimens having a thickness of 3.0 to 13mm, or
2. Not have a burning rate exceeding 75mm per minute over a 75mm span for specimens having a thickness less than 3.0, or
3. Cease to burn before the 100mm reference mark.

Test Result :

Test data is compliant with the requirements of UL 94 Horizontal Burning Test.

----- 3 -----

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Sample Photo :

<p>#Test Sample (CC-0000)</p>	<p>#Test Sample (CC-4318)</p>
	<p>-</p>
<p>#Test Sample (CC-491K)</p>	<p>-</p>

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 Conformity judgement is the Applicant's final verdict.