

Report No.: SHA03-22114570-JC-01-01En



中国认可  
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检测  
TESTING  
CNAS L9334



微谱  
WEIPU

# Test Report

Report No. SHA03-22114570-JC-01-01En

Sample Name POLYCARBONATE HOLLOW SHEET

Sample Origin Ordinary Directly

Client Zhejiang Aoci Decoration Materials Co., Ltd

Shanghai WEIPU Testing Technology Group Co., LTD.



# Test Report

**Client Information:** Zhejiang Aoci Decoration Materials Co., Ltd  
**Client Address:** No. 2618, Rd. Haifeng, Binhai Industrial Zone, Taizhou, Zhejiang, China

The following sample(s) was/were submitted and identified on behalf of the applicant as

**Sample Name:** POLYCARBONATE HOLLOW SHEET  
**Description of Sample/material:** Transparent strip sample  
**Lot No./Type:** /  
**Sample Receiving Date:** 2022-11-24  
**Testing Period:** 2022-11-24~2022-12-02  
**Test Requested:** Selected test (s) as requested by client.  
**Test Item(s):** Please refer to next page(s).  
**Test Result(s):** Please refer to next page(s).

Compiled by: *Xiaoping Wang*

Approved by: *changfengwang*

Inspected by: *Mei tuoma*

Issued Date: 2023-08-16



UP CO., LTD.  
集团  
★  
检测专用  
(1)

**Test Result(s):**
**1. Plastics - Determination of burning characteristics - Horizontal and vertical test**

1.1 Test Method: GB/T 2408-2008, Test method A-Horizontal Burning Test

Number of sample: 2211005601-1

Size of sample: 127mm\*13mm\*6.0mm

Environment condition as applicable: Temperature: 23.0°C, R.H.: 49% (At least 48h)

Test condition: Temperature: 23.4°C, R.H.: 47%

Horizontal Burning Test	1	2	3
Whether the front of the flame passes the 25mm mark	Yes	Yes	Yes
Whether the front end of the flame passes the 10mm mark	No	No	No
The front of the flame passes 25mm marking to 100mm marking, the combustion time t(s)	11.6	13.2	11.9
The front of the flame passes 25mm marking to 100mm marking, Damage Length L(mm)	5.7	4.8	5.1
When the front end of the flame reaches or exceeds the 100mm mark, average combustion rate V (mm/min)	25.5		
Whether the sample is burning particle or burning drop drop	No	No	No

Note:

$$1. V = 60 * L/t$$

2. If only one of the three samples in the first group does not meet the criteria, three samples in the other group shall be tested, and all samples in the second group shall meet the relevant level of criteria

Test criteria

**Classification:**
**HB grade material shall meet one of the following criteria:**

- After the ignition source is removed, the material does not burn with visible flame;
- After the ignition source is removed, the sample appears continuous flame combustion, but the flame front end does not exceed the 100mm mark;
- If the front end of the flame exceeds the 100mm mark, but the thickness is 3.0mm~13.0mm, the linear combustion rate does not exceed 40mm/min, or does not exceed 75mm/min when the thickness is less than 3.0mm;
- If the test thickness of 3.0mm±0.2mm specimen has a linear combustion rate not exceeding 40mm/min, then the minimum thickness of 1.5mm shall be automatically accepted as this grade.

**HB40 material shall meet one of the following criteria:**

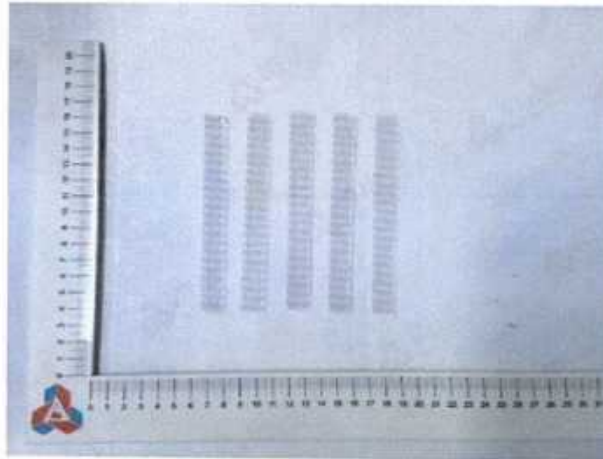
- After the ignition source is removed, the material does not burn with visible flame;
- After the ignition source is removed, the sample appears continuous flame combustion, but the flame front end does not exceed the 100mm mark;
- If the front end of the flame exceeds the 100mm mark, the linear combustion rate shall not exceed 40mm/min.

**HB75 grade materials**, if the front end of the flame exceeds the 100mm mark, the linear combustion rate shall not exceed 75mm/min.

**Conclusion:** The submitted sample was classified **HB**



**Sample Picture(s):**



\*\*\*End of the Report \*\*\*

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2. No unauthorized changes, additions or deletions shall be made to the report.
3. Neither fragmented report nor its incomplete copy shall be deemed valid. The complete copy is invalid without the stamp of "Special Seal for Inspection or Testing" or "Special Seal for the Report".
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5. The results described here in this report are based on the sample(s) tested. The data and results shown in the report without CMA logo are not used as proof for society, only for internal uses.
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