

Test report

serial number : SHMR24070146

date : 2024-08-09

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Customer Name: Anhui Fulang Optical Materials Co., Ltd.

Customer Address: No. 28, Xingye Road, West District, Economic Development Zone, Hanshan County, Ma'anshan City, Anhui Province

Sample name : Polycarbonate Sheet

Material : Polycarbonate

The above information and samples are provided and confirmed by the client. SGS does not assume any responsibility for verifying the accuracy, appropriateness and/or completeness of the information provided by the client.

SGS Reference Number : SHP24-024488

Sample collection date : 2024-07-27

Test start time: 2024-07-27

Test end time : 2024-08-09

Test Results : Please see the next page (unless otherwise specified, this report is only responsible for the test sample)

Authorized Signature of SGS-
CSTC Standards Technical
Services (Shanghai) Co., Ltd.

Deng Runzhi

Authorized Signatory

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Summary of results:

Serial number	Test items	Test Method	result	in conclusion
1	Vertical combustion	UL 94-2023 Section 8	Grade: V-0	/

Remark: Eligible: Meet the requirements
Failed: Did not meet the requirements
/: No judgment

Original photo:



Original - Sample B

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Test item: Vertical
burning Sample
description: White
sheet
Test method: UL 94-2023 Section 8
Test conditions:
Specimen: 126 mm × 13.2 mm × 2.8 mm

Test results:

Processing conditions	Normal: (23±2)℃, (50±5)%RH, 48h					Aging: (70±2)℃, 168h→ Desiccator, (23 ± 2)℃, 4h				
Sample	1	2	3	4	5	1	2	3	4	5
Afterflame after first application of flame Time(s), t1	2.1	0	1.3	1.0	0	0	2.9	2.4	0	1.7
Afterflame after second application of flame Time(s), t2	1.3	2.8	0	0	0	0	2.6	1.9	1.4	1.5
Afterglow after the second application of flame Time(s), t3	0	0	0	0	0	0	0	0	0	0
Any state adjustment, total afterflame Time (s), t1+t2	8.5					14.4				
Afterflame time plus afterglow time after the second application of flame (s), t2+t3	1.3	2.8	0	0	0	0	2.6	1.9	1.4	1.5
Does the afterflame or afterglow of the sample spread? Extend to fixture	no	no	no	no	no	no	no	no	no	no
Are burning particles or drippings Ignite cotton wool	no	no	no	no	no	no	no	no	no	no

Grade: V-0 (see Table 1).

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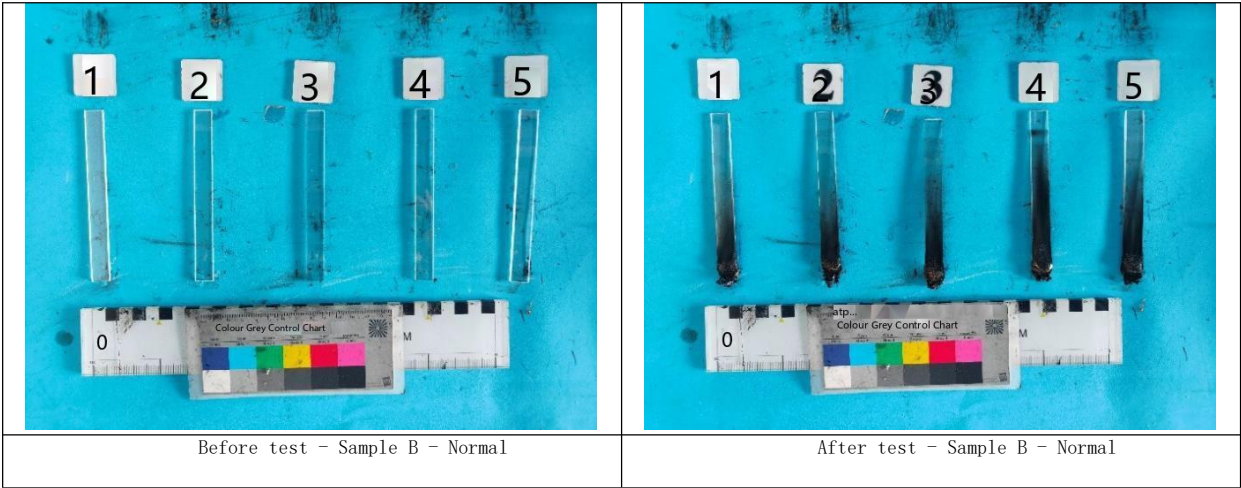
Table 1

Judgment conditions	V-0	V-1	V-2
Afterflame time of a single sample, t1 and t2	≤10s	≤30s	≤30s
Total afterflame time (t1+t2 of 5 samples) at any state adjustment	≤50s	≤250s	≤250s
Afterflame time plus afterglow time of a single sample after the second application of flame Time (t2+t3)	≤30s	≤60s	≤60s
Does any of the sample afterflame or afterglow extend to the fixture?	no	no	no
Do burning particles or drippings ignite the cotton wool?	no	no	yes

Note: The test specimens

were cut from the samples.

Test photos:

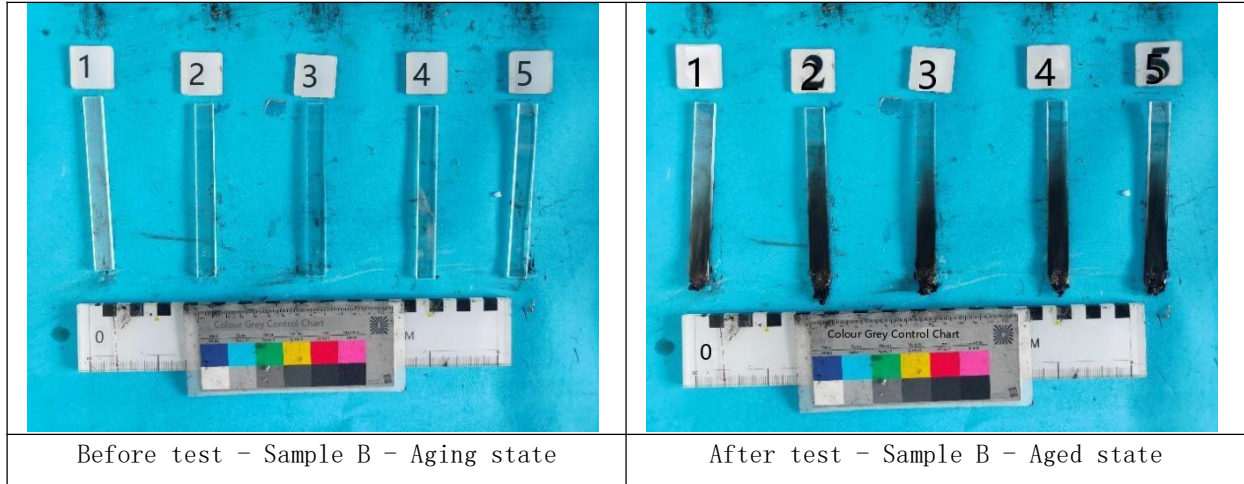


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Device Information:

equipment	model	Equipment No.	Calibration date	Next calibration date
Oven	FED720	P-215	2024-05-10	2025-05-09
Horizontal and vertical combustion apparatus	HVUL2	P-596	2024-05-10	2025-05-09

Appendix Information:

*Within the territory of the People's Republic of China, if the report is not stamped with the CMA seal, it means that this test report is only used for customer scientific research, teaching, internal quality control, product development and other purposes, and is for internal reference only.

*This test report is the Chinese translation of the original test report No. SHMR240701466403 issued by SGS (Shanghai) Co., Ltd. In case of any discrepancy between the Chinese and English versions, the English version shall prevail.

***** End of Report*****