

TEST REPORT

No. : GZIN2102008719MR

Date : Mar 08, 2021

Page: 1 of 5



CUSTOMER NAME: GUANGDONG TAILONG TECHNOLOGY CO., LTD.
ADDRESS: 223 TAISHAN ROAD, LONGHU DISTRICT, SHANTOU CITY,
GUANGDONG PROVINCE, CHINA

Sample Name : PC DIFFUSION BLOCK

Other Information : THICKNESS 0.8mm

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. : CP21-006262

Date of Receipt : Feb 23, 2021

Testing Start Date : Feb 23, 2021

Testing End Date : Mar 08, 2021

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
SGS-CSTC Standards Technical
Services Co., Ltd. GZ Branch Testing
Center

Kelly Lee
Authorized signatory



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Center/Reliability Laboratory

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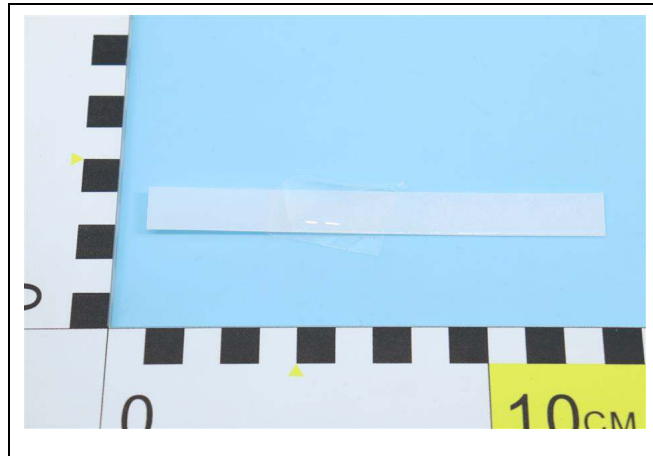
Page: 2 of 5

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Vertical Burning	UL 94-2013 Rev.9-2018 Section 8	V-2	/

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

Original Sample Photo:



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Date : Mar 08, 2021

Page: 3 of 5

Test Item: Vertical Burning

Sample Description: Plastic part

Test Method: UL 94-2013 Rev.9-2018 Section 8

Test Condition:

Specimen: 125mm×12.5mm×0.77mm

Test Result:

Conditioning	As received : (23±2)°C, (50±5)%RH, 48h					Ageing: (70±2)°C, 168h→ Desiccator, (23±2)°C, 4h				
	1	2	3	4	5	1	2	3	4	5
Specimen										
Afterflame time after the first flame application (s), t ₁	9.6	1.7	1.8	1.2	3.3	2.4	2.9	2.3	2.6	2.4
Afterflame time after the second flame application (s), t ₂	2.6	5.5	9.6	2.2	1.2	3.4	6.2	4.1	3.0	1.8
Afterglow time after the second application (s), t ₃	0	0	0	0	0	0	0	0	0	0
Total afterflame time for any condition set (s), t ₁ +t ₂	38.7					31.1				
Afterflame time plus afterglow time after the second flame application (s), t ₂ +t ₃	2.6	5.5	9.6	2.2	1.2	3.4	6.2	4.1	3.0	1.8
Whether or not specimen burn up to the holding clamp	No	No	No	No	No	No	No	No	No	No
Whether or not the cotton was ignited by flaming particles or drops	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Classification: V-2 (See table 1)



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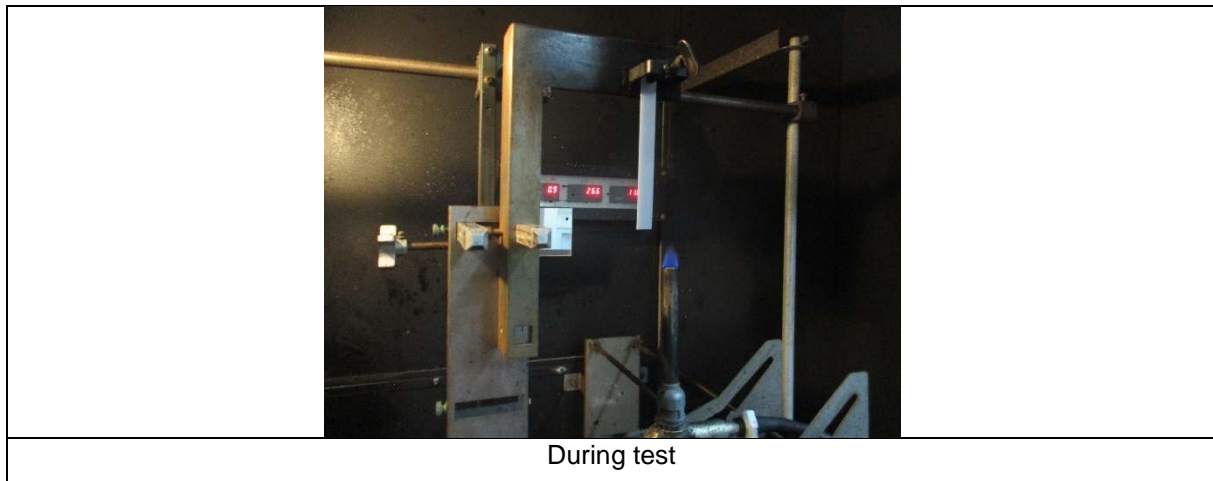
Page: 4 of 5

Table 1

Criteria conditions	V-0	V-1	V-2
Afterflame time for each individual specimen t ₁ or t ₂	≤ 10s	≤ 30s	≤ 30s
Total afterflame time for any condition set (t ₁ plus t ₂ for the 5 specimens)	≤ 50s	≤ 250s	≤ 250s
Afterflame plus afterglow time for each individual specimen after the second flame application (t ₂ +t ₃)	≤ 30s	≤ 60s	≤ 60s
Afterflame or afterglow of any specimen up to the holding clamp	No	No	No
Cotton indicator ignited by flaming particles or drops	No	No	Yes

Note: The protected film of test specimens was ripped off before test.

Test Photo:



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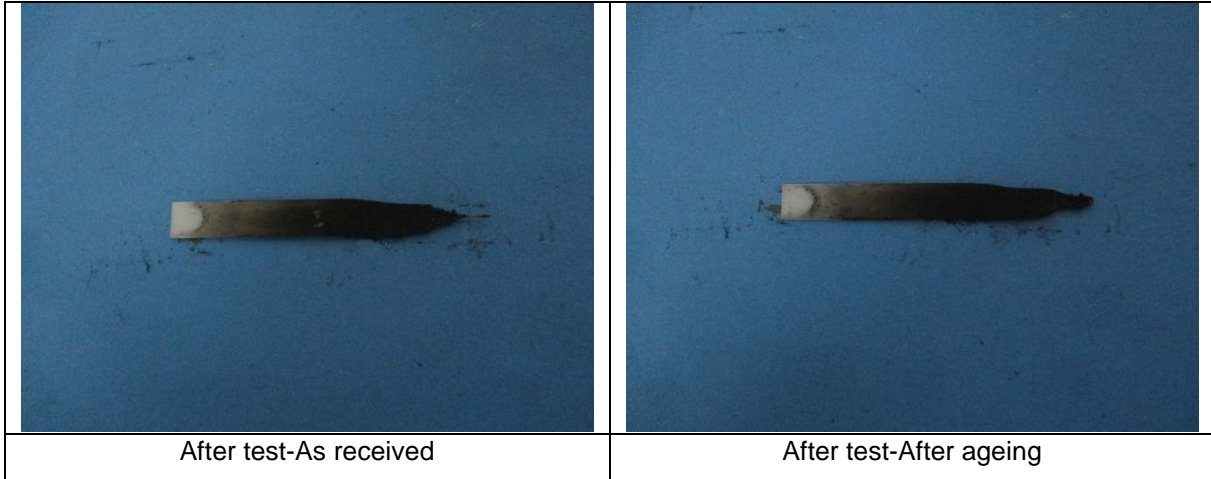
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Page: 5 of 5



Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Horizontal/Vertical Flame Chamber	HVUL2	GZMR-PL-E297	2020-07-01	2021-06-30
Oven	UF750	GZMR-AG-E181	2020-10-23	2021-10-22

***** End of report*****



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