



中国认可  
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检测  
TESTING  
CNAS L9381



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# Test Report

No.: ESZ2211220029R00202R

Date: Dec.12,2022

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**Applicant** : FuYanSheng Electronic (Fujian) Co.,Ltd

**Address** : Floor 4, Workshop No.5, Bailong 398, Bailong Village, Zhuqi Township, Minhou County, Fuzhou City

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

**Sample Name** : PBT

**Model** : PBT

**Received Date** : Nov.25, 2022

**Test Period** : Nov.28, 2022~ Dec.05, 2022

**Test Summary** :

Test Item

Conclusion

Flammability test

Pass

Remark: Pass: meet the requirement; Fail: Doesn't meet the requirement; N/A: Without conclusions or provide test results only.

Signed for and on behalf of  
EMTEK(Suzhou) Co.,Ltd.



Prepared by:

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*Matthew*

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Authorized signatory

Dec.12, 2022

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the testes requested by you and the results thereof based upon the information that you provided. You have 30 days from data of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



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**Sample Information (The following sample(s) was/were submitted and identified on behalf of the client):**

Sample No.	Sample name	Material
E2211220029-03	PBT	PBT

**Test Information:****1. Test Item: Flammability test****1.1 Test Method and Condition:**

Test method: UL94-2020 Section 8

Test quantity: 10pcs

Test condition:

- Sample pretreatment: a.  $(23 \pm 2)^\circ\text{C}$ ,  $(50 \pm 10)\%RH$ , 48h  
b.  $(70 \pm 2)^\circ\text{C}$ ,  $(168 \pm 2)$  h; In dryer,  $(23 \pm 2)^\circ\text{C}$ , 4h
- Sample size: 123.8 mm \* 12.5 mm \* 4.9 mm

Acceptance criteria: See test results

**1.2 Test Instrument:**

Instrument name	Instrument Model	Instrument No.	Calibration Valid Date
UL94 horizontal and vertical combustion meter	UL94-X	E-R-209	2023.01.06
Digital calipers	CD-8"ASX	E-R-375	2023.06.09
Double groove precision high temperature oven	BSTFB-9200	E-R-380	2023.06.27

**1.3 Test Period: 2022.11.28~ 2022.12.05**

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## 1.4 Test Results:

Condition	(23±2)°C,(50±10)%RH,48h					(70±2)°C, (168±2) h; In dryer, (23 ± 2) °C, 4h				
Sample No.	03-01	03-02	03-03	03-04	03-05	03-06	03-07	03-08	03-09	03-10
Residual flame time after first application of flame (s) ,t <sub>1</sub>	1	1	1	1	1	1	1	1	2	1
Residual flame time after the second flame application (s) ,t <sub>2</sub>	3	4	4	3	4	4	4	4	4	4
Afterglow time after the second flame application (s) ,t <sub>3</sub>	0	0	0	0	0	0	0	0	0	0
The total residual flame time of a set of specimens regulated in any states) ,t <sub>1</sub> + t <sub>2</sub> of 5 samples	23					26				
Residual flame plus afterglow time (s) of single sample after the second flame application, t <sub>2</sub> +t <sub>3</sub>	3	4	4	3	4	4	4	4	4	4
Whether the afterflame and/or afterglow spread to the fixture	N	N	N	N	N	N	N	N	N	N
Whether flame particles or drops ignite the cotton pad	N	N	N	N	N	N	N	N	N	N
Acceptance Criteria	V-0									
Evaluation	The sample meets UL94-2020 V-0 grade requirements.									

Combustion grade: V-0 is better than V-1, V-1 is better than V-2

Criterion	Level		
	V-0	V-1	V-2
Residual flame time of single sample (t <sub>1</sub> or t <sub>2</sub> )	≤10s	≤30s	≤30s
Total residual flame time of a group of samples under any state adjustment, (t <sub>1</sub> +t <sub>2</sub> ) of 5 samples	≤50s	≤250s	≤250s
Residual flame plus afterglow time of a single sample after the second flame application, (t <sub>2</sub> +t <sub>3</sub> )	≤30s	≤60s	≤60s
Whether the afterglow and/or afterglow spread to the fixture	N	N	N
Whether flame particles or drops ignite the cotton pad	N	N	Y

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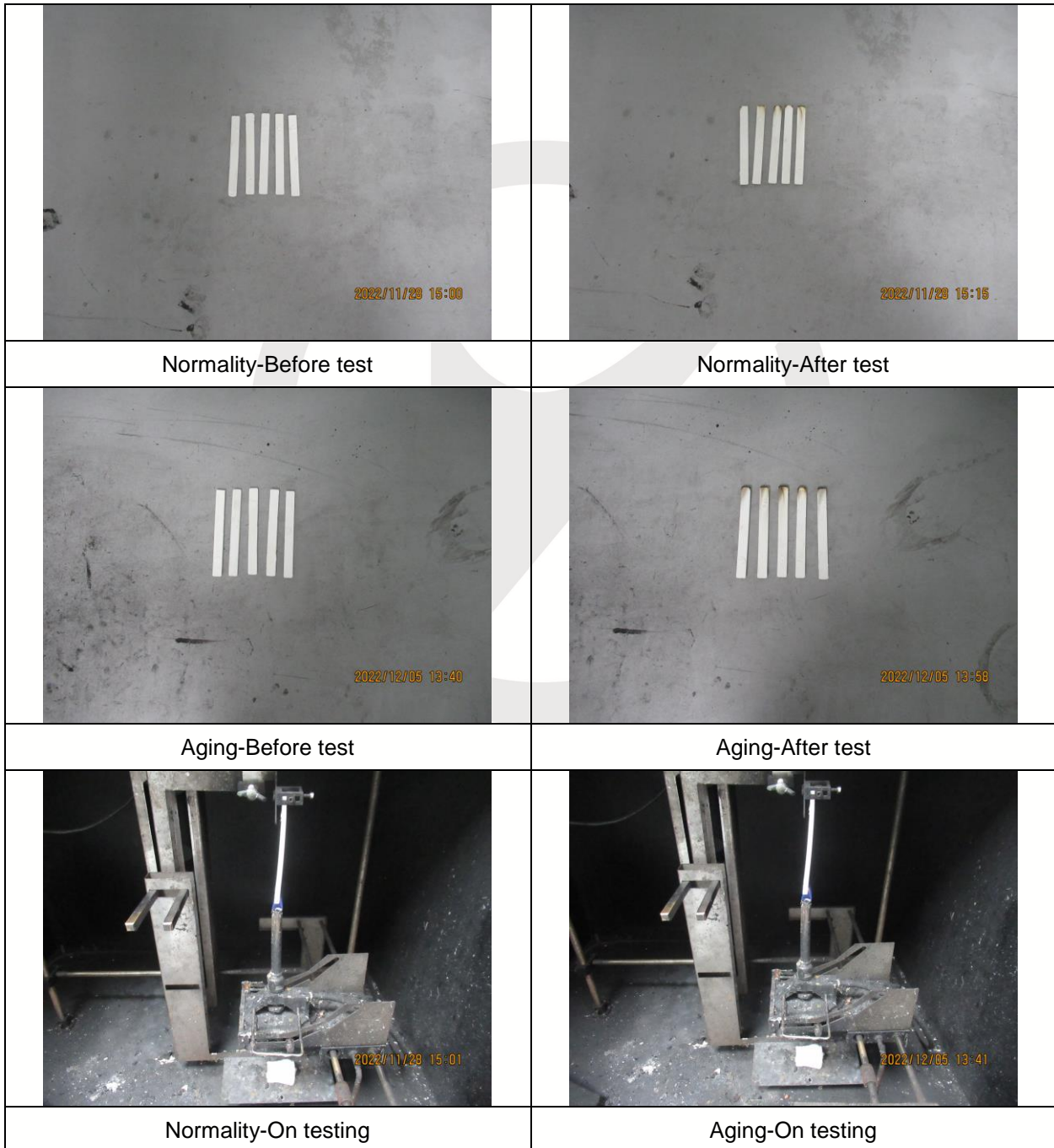
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## 1.5 Test Photos:



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

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