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检测
TESTING
CNAS L9381



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Test Report

No.: ESZ2211220029R00204R

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 : PA66+GF

Model : PA66+GF

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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Assistant engineer

Reviewed by:

Cainv

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Technical supervisor

Approved by:



Xie Xiao, Matthew

Authorized signatory

Dec.12, 2022

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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
E2211220029-05	PA66+GF	PA66+GF

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 ± 2) h; In dryer, $(23 \pm 2)^\circ\text{C}$, 4h
- Sample size: 125.7 mm * 12.7 mm * 3 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.	05-01	05-02	05-03	05-04	05-05	05-06	05-07	05-08	05-09	05-10
Residual flame time after first application of flame (s) ,t ₁	1	1	1	1	1	1	2	1	1	1
Residual flame time after the second flame application (s) ,t ₂	3	3	3	2	3	3	3	4	4	3
Afterglow time after the second flame application (s) ,t ₃	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 ₁ + t ₂ of 5 samples	19					23				
Residual flame plus afterglow time (s) of single sample after the second flame application, t ₂ +t ₃	3	3	3	2	3	3	3	4	4	3
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 ₁ or t ₂)	≤10s	≤30s	≤30s
Total residual flame time of a group of samples under any state adjustment, (t ₁ +t ₂) of 5 samples	≤50s	≤250s	≤250s
Residual flame plus afterglow time of a single sample after the second flame application, (t ₂ +t ₃)	≤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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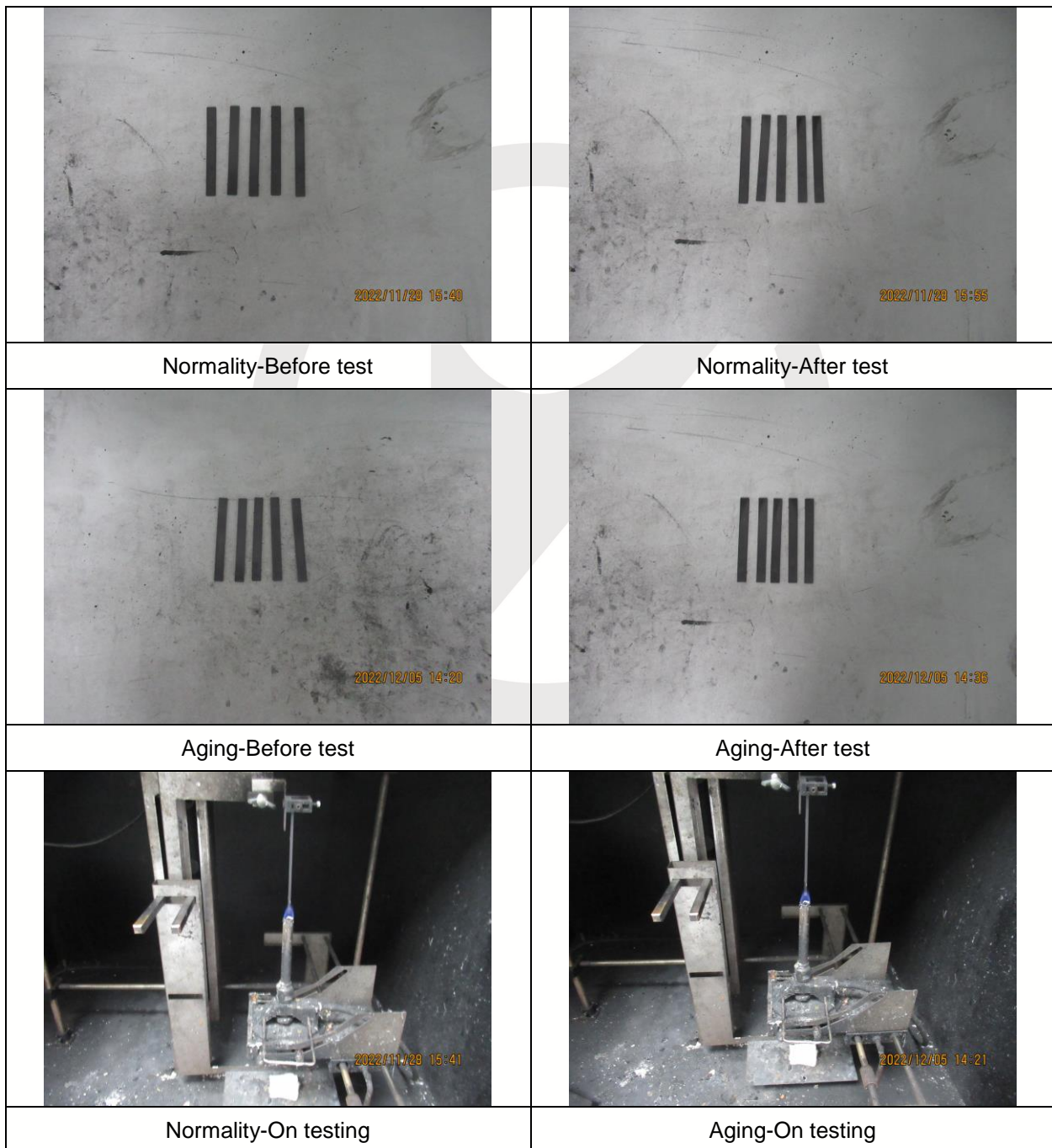
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1.5 Test Photos:



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*** End of report ***

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