

Test Report



Report No. A2240636518101

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Company Name SHENZHEN TUOZHU TECHNOLOGY CO., LTD.

Address ROOM 201, BUILDING A, NO. 1 FIRST QIANWAN ROAD, QIANHAI
SHENGANG COOPERATION ZONE, SHENZHEN

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

Sample Name Bambu PPS-CF

Sample Received Date Oct. 17, 2024

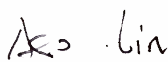
Testing Period Oct. 17, 2024-Nov. 4, 2024

Test Requested

No.	Test Item
1	Flammability (Vertical burning)

Test Result(s): Please see the following pages.

Approved by



Date

Nov. 4, 2024

Ao Lin

Approved Signatory

Centre Testing International Group Co., Ltd.

Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China

No. RB99EAFDAE

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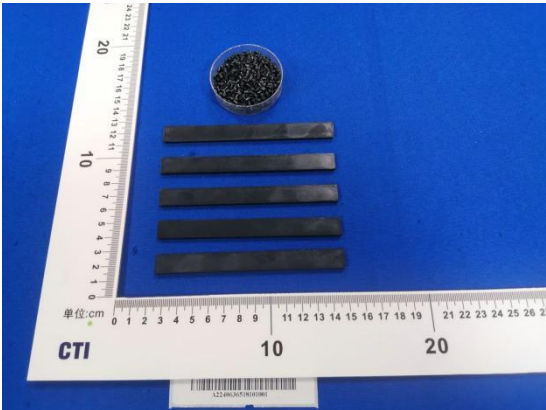
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Tested Sample(s)

Sample No.	Sample Name
A2240636518101001	Bambu PPS-CF

Sample Photo(s)



A2240636518101001

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Test Item: Flammability (Vertical burning)

1. Test Equipment

Equipment Name	Model
Horizontal - vertical Flammability Test Instrument	RH-6033B
Electric constant temperature incubator	600*500*750(230L)

2. Environmental Conditions

Temperature: $23 \pm 2^{\circ}\text{C}$; Humidity: $50 \pm 5\% \text{RH}$

3. Test Standard: UL 94-2024

4. Test Condition

Preconditioning:

①Condition in environment of $23 \pm 2^{\circ}\text{C}$ and humidity of $50 \pm 10\% \text{RH}$ for 48h②Condition in a 70°C oven for 168h, then a calcium chloride desiccators for at least 4h to cool to room temperature.

Test Procedure: Flame height: $20 \pm 1 \text{ mm}$. Apply the flame centrally to the middle point of the specimen bottom edge so that the top of the burner is $10 \pm 1 \text{ mm}$ below the lower end of the specimen, and maintain it at that distance for $10 \pm 0.5 \text{ s}$. After the application for $10 \pm 0.5 \text{ s}$, immediately withdraw the burner at a rate of 300 mm/sec , to a distance at least 150 mm away from the specimen and measure the after flame time t_1 . As soon as after flaming of the specimen ceases, immediately place the burner again under the specimen for an additional

$10 \pm 0.5 \text{ s}$. After that, immediately remove the burner at a rate of 300 mm/sec to a distance of at least 150 mm from the specimen and measure the after flame time t_2 and the afterglow time t_3 .

Sample size: $125 \text{ mm} \times 13.0 \text{ mm} \times 3.0 \text{ mm}$

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5. Test Result(s)

Test Criteria:

Criteria conditions	V-0	V-1	V-2
Afterflame time for each individual specimen t_1 and t_2	$\leq 10s$	$\leq 30s$	$\leq 30s$
Total afterflame time for any condition set (t_1 plus t_2 for the 5 specimens)	$\leq 50s$	$\leq 250s$	$\leq 250s$
Afterflame plus afterglow time for each individual specimen after the second flame application(t_2+t_3)	$\leq 30s$	$\leq 60s$	$\leq 60s$
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

Room temperature test results:

Criteria conditions	1	2	3	4	5	V-0
Afterflame time for each individual specimen t_1 and t_2	0/0s	0/0s	0/0s	0/0s	0/0s	$\leq 10s$
Total afterflame time for any condition set(t_1 plus t_2 for the 5 specimens)	0s					$\leq 50s$
Afterflame plus afterglow time for each individual specimen after the second flame application(t_2+t_3)	0s	0s	0s	0s	0s	$\leq 30s$
Afterflame or afterglow of any specimen up to the holding clamp	No	No	No	No	No	No
Cotton indicator ignited by flaming particles or drops	No	No	No	No	No	No

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After aging test results:

Criteria conditions	1	2	3	4	5	V-0
Afterflame time for each individual specimen t ₁ and t ₂	0/0s	0/0s	0/0s	0/0s	0/0s	≤10s
Total afterflame time for any condition set(t ₁ plus t ₂ for the 5 specimens)	0s					≤50s
Afterflame plus afterglow time for each individual specimen after the second flame application(t ₂ +t ₃)	0s	0s	0s	0s	0s	≤30s
Afterflame or afterglow of any specimen up to the holding clamp	No	No	No	No	No	No
Cotton indicator ignited by flaming particles or drops	No	No	No	No	No	No

Conclusion: This sample test results comply with the requirements of UL 94-2024 V-0.

Remark: t₁, t₂ are the afterflame time, t₃ is the afterglow time.

Remark: The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

Statement:

- 1.This report is considered invalid without approved signature, special seal and the seal on the perforation;
- 2.The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which CTI hasn't verified;
- 3.The result(s) shown in this report refer(s) only to the sample(s) tested;
- 4.Without written approval of CTI, this report can't be reproduced except in full;
- 5.In case of any discrepancy between the English version and Chinese version of the testing reports(if generated), the Chinese version shall prevail.

*** End of Report ***

