

Test Report

Report No. A2170004567101002R1

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Applicant SHANGHAI RICHENG ELECTRONIC CO., LTD.

Address XINSHENG INDUSTRIAL AREA,ZHELIN,FENGXIAN,SHANGHAI

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

Sample Name Silicon Rubber

Type Silicon Rubber

Sample Received Date Feb. 20, 2017

Testing Period Feb. 20, 2017-Mar. 3, 2017

Test Requested

No.	Test Item
1	Flammability (Vertical burning)

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

Approved by

Alina Feng

Date

Mar. 9, 2017

Alina Feng
Approved Signatory

No. RC273C0F1A

Centre Testing International Group Co., Ltd.

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



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Tested Sample(s)

Sample No.	Sample Name	Type
A2170004567101002	Silicon Rubber	Silicon Rubber

Sample Photo(s)



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Test Item: Flammability (Vertical burning)

1. Test Equipment

Equipment Name	Model
Horizontal - vertical Flammability Test Instrument	RH-6033B
High Temperature Tester	PHH201

2. Environmental Conditions

Temperature: 23.0℃; Humidity: 52%RH

3. Test Standard: UL 94-2015

4. Test Condition

Preconditioning:

- ① Condition in environment of $23 \pm 2^{\circ}\text{C}$ and humidity of $50 \pm 10\%\text{RH}$ for 48h
- ② Condition 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 ± 1 mm. Apply the flame centrally to the middle point of the specimen bottom edge so that the top of the burner is 10 ± 1 mm below the lower end of the specimen, and maintain it at that distance for 10 ± 0.5 s. After the application for 10 ± 0.5 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 ± 0.5 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: 127mm×13.0mm×1.3mm

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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 or 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 or 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 or t_2	0/0s	0/0s	0/1s	0/0s	0/0s	$\leq 10s$
Total afterflame time for any condition set(t_1 plus t_2 for the 5 specimens)	1s					$\leq 50s$
Afterflame plus afterglow time for each individual specimen after the second flame application($t_2 + t_3$)	0s	0s	1s	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

Conclusion: This sample test results comply with the requirements of UL94-2015 V-0.

Remarks: t_1 , t_2 are the afterflame time, t_3 is the afterglow time.

Remark: This testing report displaces the original report of No. A2170004567101002 and the original one No. A2170004567101002 was invalid since the date of this testing report released.

*** End of Report ***

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