

Test Report

Report No.: SZPA1308051457001E

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Client : YUEQING RENHE ELECTRIC CO.,LTD

Address : BAILUYU,BEIBAIXIANG,YUEQING,ZHEJIANG,CHINA

Report on the submitted sample said to be:

Sample Name : PVC End Cap

Sample Model : /

Sample Material : /

Amount of Sample : 5pcs

Sample Received Date : Aug. 05, 2013

Sample tested Date : Aug. 05, 2013~ Aug. 09, 2013

Test Requested:

| Test Sequence | Test Item |
|---------------|--------------|
| 1 | Flammability |

Test Results: Please see attached sheets.

Tested by: Jerry Peng

Reviewed by: Jia Xu

Approved by: Alina Feng
Alina Feng

Date: Aug. 09, 2013

Approved Signatory

No. 1048899080

Centre Testing International (Shenzhen) Co., Ltd.

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

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Tested Sample:

| Sample No. | Sample Name | Sample Model | Quantity |
|-------------|-------------|--------------|----------|
| PA130805020 | PVCEndCap | / | 5pcs |

Sample Photo before the Test:

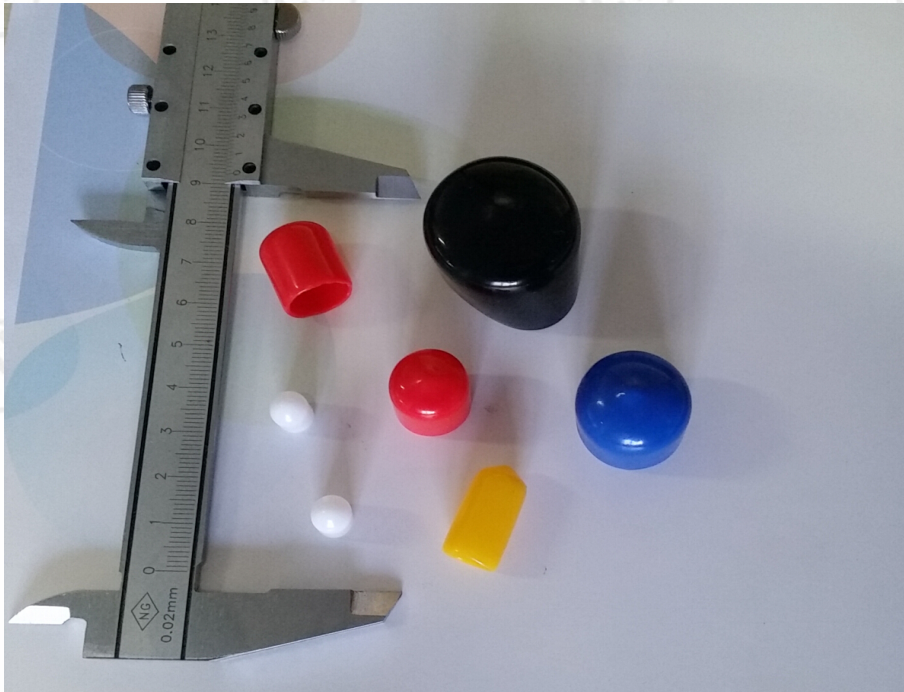


Fig1. Sample PA130805020

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Test Item: Flammability

(1) Test Equipment:

| Equipment Name | Model | Equipment Number | Valid Date to |
|--|----------|------------------|---------------|
| Horizontal - vertical Flammability Test Instrument | RH-6033B | TTE20120134 | Jun. 17, 2014 |
| Digital Caliper | 0~200mm | BTTEIRFA00022 | Jan. 29, 2014 |

(2) Environmental Conditions:

Temperature: 23.5°C; Humidity: 52%RH

(3) Reference Standard: UL94-2013 Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

(4) Tested Flow: take picture→set parameters of instrument→start testing

(5) Tested Condition:

Preconditioning:

- ① Condition in environment of $23 \pm 2^\circ\text{C}$ and humidity of $50 \pm 5\% \text{RH}$ 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.

Remark: The specimens were only pretreated with ①.

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 afterflame time t_1 . As soon as afterflaming 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 afterflame time t_2 and the afterglow time t_3 .

Sample size: 125mm×13mm×1.9mm

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(6) Test criteria:

| Criteria conditions | V0 | V1 | V2 |
|---|------------|-------------|-------------|
| 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 |

(7) Test Results:

| Criteria conditions | 1 | 2 | 3 | 4 | 5 | V0 |
|---|------|------|------|------|------|------------|
| Afterflame time for each individual specimen t_1 or t_2 | 2/2s | 2/2s | 2/3s | 2/4s | 2/3s | $\leq 10s$ |
| Total afterflame time for any condition set(t_1 plus t_2 for the 5 specimens) | 24s | | | | | $\leq 50s$ |
| Afterflame plus afterglow time for each individual specimen after the second flame application($t_2 + t_3$) | 2s | 2s | 3s | 4s | 3s | $\leq 30s$ |
| 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 |

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

Conclusion: The samples comply with UL94-V0 class.

*** End of Report ***

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