

## Test Report

No. AJHL1610011958FB-01

Date: NOV.17, 2016

Page 1 of 4

KUNSHAN QIWEN ELECTRONICS CO., LTD.

NO.796 QINHE ROAD, ZHANGPU INDUSTRIAL ZONE, KUNSHAN CITY 215321, CHINA

**THE TEST REPORT IS TO SUPERSEDE THE TEST REPORT No.: AJHL1610011958FB, DATE: NOV.14, 2016**

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

**Sample Description:** PVC

**Color:** SILVER/BLACK

**Density:** 250D\*250D/22\*19

**Thickness:** 0.36MM

### Test Requested:

To determine the performance of the sample when it is subjected to the conditions of test specified in UL 94:2015, Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, Thin Material Vertical Burning Test; VTM-0, VTM-1, or VTM-2

**Test Results:** -- See attached sheet --

**Conclusion:** According to the test results and the classification system, the tested sample is assigned as "UL 94:2015, VTM-0".

### Test Period:

Sample Receiving Date : OCT.31, 2016

Test Performing Date : OCT.31, 2016 TO NOV.10, 2016

Signed for and on behalf of  
SGS-CSTC Co., Ltd. Anji Branch

Allen Zou  
Technical Manager



SGS-CSTC Inspection & Testing Services Co., Ltd.  
Anji Branch Harbin

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**I. Test conducted**

This test was conducted in accordance with UL 94:2015, Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, clause 11, Thin Material Vertical Burning Test; VTM-0, VTM-1, or VTM-2

**II. Scope of test**

The requirements of UL 94 cover tests for flammability of polymeric materials used for parts in devices and appliances. They are intended to serve as a preliminary indication of their acceptability with respect to flammability for a particular application. The final acceptance of the material is dependent upon its use in complete equipment that conforms with the standards applicable to such equipment.

**III. Sample details**

Name	PVC
Color	Silver and black
Size of sample	Length 200±5mm    Wide 50±1mm    Thickness: 0.36mm

**IV. Conditioning**

Prior to testing:

Five specimens were conditioned for at least 48 h at a temperature of 23±2 °C and a relative humidity of 50±5%,

Five specimens were conditioned in a circulating air oven for 168 h at 70±1 °C and then cooled in the desiccator for at least 4 h at room temperature.

**V. Test results:**

1) Conditioned at: T: 23±2°C    H :50±5 %    48 h

Specimen No.	t1 (seconds)	t2 (seconds)	t3 (seconds)	Whether or not the afterflame and/or afterglow progressed up to the 125 mm mark	Whether or not specimens drip flaming particles which ignite the cotton indicator
1	0	0	0	No	No
2	0	0	0	No	No
3	0	0	0	No	No
4	0	0	0	No	No
5	0	0	0	No	No

To be continued...



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2) Conditioned at: 70± 1°C 168 h

Specimen No.	t1 (seconds)	t2 (seconds)	t3 (seconds)	Whether or not the afterflame and/or afterglow progressed up to the 125 mm mark	Whether or not specimens drip flaming particles which ignite the cotton indicator
1	0	0	0	No	No
2	0	0	0	No	No
3	0	0	0	No	No
4	0	0	0	No	No
5	0	0	0	No	No

Where, t1: Afterflame time after first flame application;  
 t2: Afterflame time after second flame application;  
 t3: Afterglow time after second flame application.

**Note:** Materials classified VTM-0, VTM-1 or VTM-2 shall comply with the following requirements

Criteria conditions	VTM-0	VTM-1	VTM-2
Afterflame time for each individual specimen t1 or t2	≤10s	≤30s	≤30s
Total afterflame time for any condition set (t1 plus t2 for the 5 specimens)	≤50s	≤250s	≤250s
Afterflame plus afterglow time for each individual specimen after the second flame application (t2+t3)	≤30s	≤60s	≤60s
Did the afterflame or afterglow of any specimen progress up to the 125 mm mark?	No	No	No
Was the cotton indicator ignited by flaming particles or drops?	No	No	Yes

**STATEMENTS:**

The test results only to the ignitability of the sample or combination of materials under the particular condition of test. They are not intended as a means of assessing the full potential fire hazard of the materials or products in use.

The specimen was supplied by the sponsor and SGS-CSTC ANJI Branch was not involved in any selection or sampling procedure.

To be continued...



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Photo Appendix:



SGS authenticate the photo on original report only

\*\*\*End of Report\*\*\*

