



No. 2015111405Z

No. L2636

QUALITY REPORT

TEST REPORT

NO.: QR01F171110P52601-1R

Date: Nov. 23, 2017

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Applicant: CHANGZHOU PIONEER ELECTRONIC CO., LTD

Address: NO, 18 HUASHAN ROAD, CHANGZHOU, JIANGSU, CHINA.

Report on the submitted sample said to be:

Sample Name: MICROWAVE ABSORBER

Style / Item No.: SA, SAH, SM

Material: PU foam with carbon and Flame retardants

Manufacturer: CHANGZHOU PIONEER ELECTRONIC CO., LTD

Material thickness: 12.0mm

Test Type: Authorized Test

Sample received date: Nov. 10, 2017

Testing period: From Nov. 10, 2017 to Nov. 23, 2017

Test Requested:

As specified by applicant, to determine the flammability of the submitted sample(s).

Test Method:

With reference to UL94 - 2015 Section 8

Test Result(s):

For further details, please refer to the following page(s).

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of

Sigma Testing & Inspection Services (Ningbo) Co., Ltd.

Tested by:

Shining Jiang
Test Engineer

Reviewed by:

Christian Wang
Laboratory Manager





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Lab Environmental Condition:

Temperature	23±2°C
Relative Humidity	50±5%RH

Vertical Burning

Test Condition:

- Specimens are to be preconditioned in accordance with ASTM D618 (ISO 291) at 23±2°C and 50±5 percent relative humidity for 48 hours.
- Specimens for certain tests are to be preconditioned in an air-circulating oven for 168 hours at 70±2°C and then cooled in the desiccator for at least 4 hours at room temperature, prior to testing.

Test Results: (Specimen: 125mm×12.0mm×12.0mm)

Conditioning	23±2°C, 50±5%RH, 48 hours					70±2°C, 168 hours Desiccator, 23±2°C, 4 hours				
	1	2	3	4	5	1	2	3	4	5
Specimen	1	2	3	4	5	1	2	3	4	5
Afterflame time after the first flame application (s), t ₁	0	0	0	0	0	0	0	0	0	0
Afterflame time after the second flame application (s), t ₂	3.5	3.4	3.2	3.6	3.7	3.3	3.0	3.2	3.0	3.3
Afterglow time after the second application (s), t ₃	5.6	5.9	6.1	5.8	5.8	5.6	5.5	5.7	5.4	5.6
Total afterflame time for any condition set (s), t ₁ +t ₂	17.4					15.8				
Afterflame time plus afterglow time after the second flame application (s), t ₂ +t ₃	9.1	9.3	9.3	9.4	9.5	8.9	8.5	8.9	8.4	8.9
Whether or not specimen burn up to the holding clamp	No	No	No	No	No	No	No	No	No	No
Whether or not the cotton was ignited by flaming particles or drops	No	No	No	No	No	No	No	No	No	No

Classification: V-0

SIGMA®



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 86-574-87782296

(Attention is drawn to the terms and conditions printed overleaf)



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Note:

- According to UL94 - 2015 Section 8, a material classed V-0 shall:

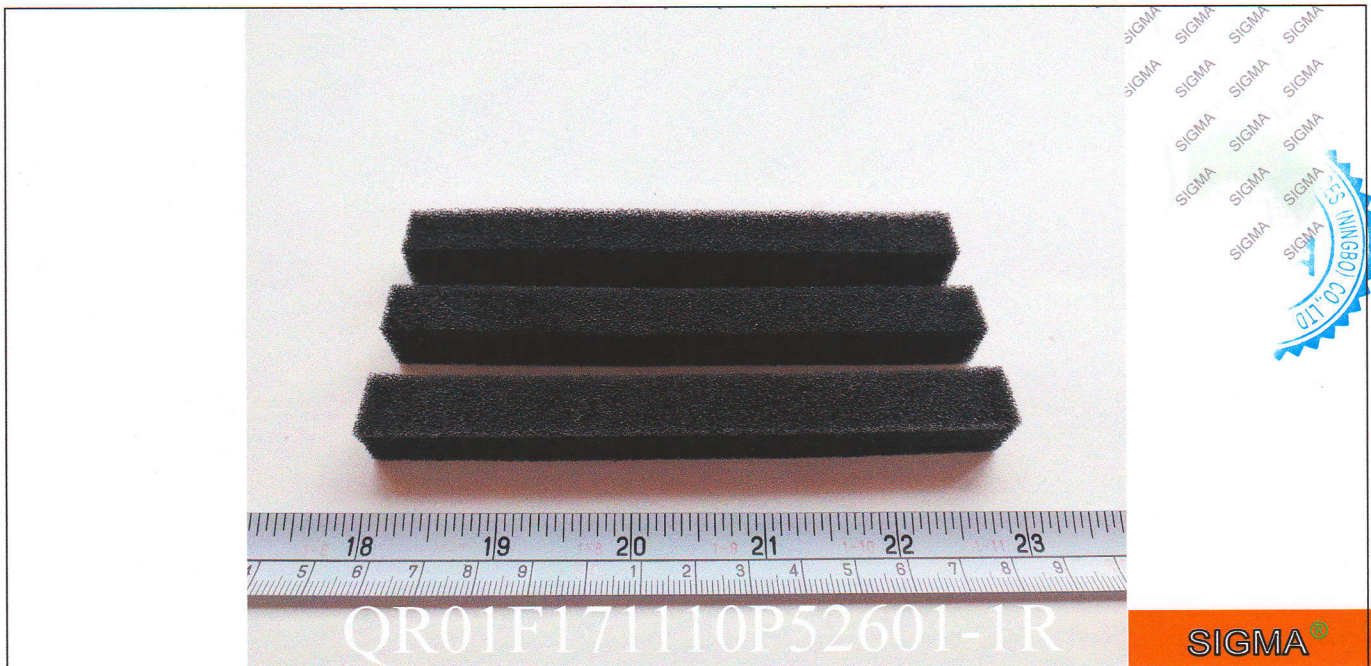
Criteria conditions	V-0	V-1	V-2
Afterflame time for each individual specimen t_1 or t_2	$\leq 10S$	$\leq 30S$	$\leq 30S$
Total afterflame time for any condition set (t_1 plus t_2 for the 5 specimens)	$\leq 50S$	$\leq 250S$	$\leq 250S$
Afterflame plus afterglow time for each individual specimen after 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

Specimen Description: A: Black PU foam

Note:

- Photo is included.

Photograph of Sample



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MICROWAVE ABSORBER

*** END OF THE REPORT ***

