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TEST REPORT

No. : SHAM20141102194

Date : Nov.14,2014

Page : 1 of 4

HGM Manufaktur AG
Obere Aeschstr. 5
8834 Schindellegi

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

Sample Name : Smart box
Sample Number : SHAM20141102194
Material and Mark : FB51
Test Required : Glow-wire flammability test
Date of Receipt : Nov.5,2014
Test Period : Nov.5,2014~ Nov.14,2014
Test result(s) : For further details, please refer to the following page(s)

***** To be continued*****

Sign for
TÜV SÜD Certification and Testing (China) Co., Ltd.
Shanghai Branch
Material Lab
Reviewed by:

Xi Zhang

Xi Zhang
Senior Testing Engineer



Authorized by:

Cosmo Yuan

Cosmo Yuan
Technical Supervisor

Note: (1) General Terms & Conditions as mentioned overleaf. (2) The results exclusively relate to the sample(s) under test. (3) The test report shall not be reproduced except in full, without the written approval of the laboratory.

Laboratory:
Material Laboratory
The 3rd Building, No. 589, Quwu Road, Minhang District,
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EN 60670-2:2005 boxes and enclosures for electrical accessories for household and similar fixed electrical installations – part 1: general requirements

1. IEC 60695-2-11:2000 Fire hazard testing – part 2-11: glowing/hot-wire based test methods – glow-wire flammability test method for end-products

Conditioning	Temperature	Relative humidity	Place
	15°C~35°C	45%~75%	24 hours

Application of the glow-wire, ta	30s
glow-wire temp, °C	850

Result	1	2	3
ti, (s)	0.4	0.2	0.8
te, (s)	5.1	6.4	6.8
h, (mm)	75	70	70
Ignite the wrapping tissue, (Y/N)	N	N	N

Remark:

ti-from the beginning of tip application up to the time at which the test specimen or the specified layer placed below it ignites;

te-from the beginning of tip application up to the time when flames extinguish during or after the period of application;

h-the maximum height of any flame rounded up to the next 5mm.

***** To be continued*****

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Requirement:

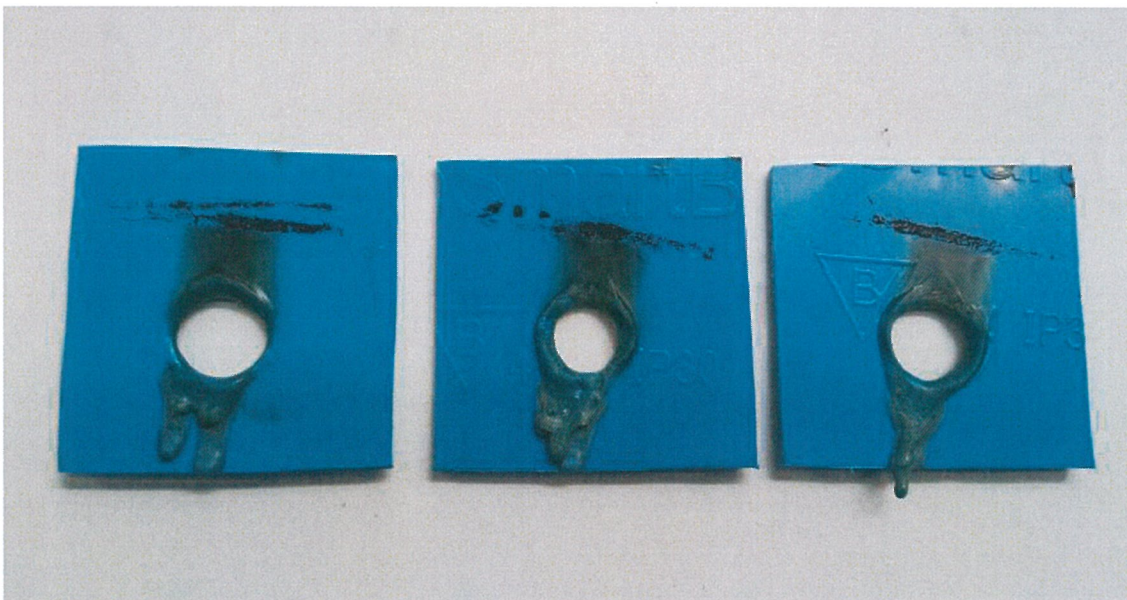
The specimen is regarded as having passed the glow-wire test if :

- a): there is no visible flame and no sustained glowing, or
- b): flames and glowing at the specimen extinguish within 30s after the removal of the glow wire.

There shall be no ignition of the tissue paper or scorching of the board.

Evaluation: test sample is considered to have passed the glow-wire test

Test photo:



Specimens after test

***** To be continued*****

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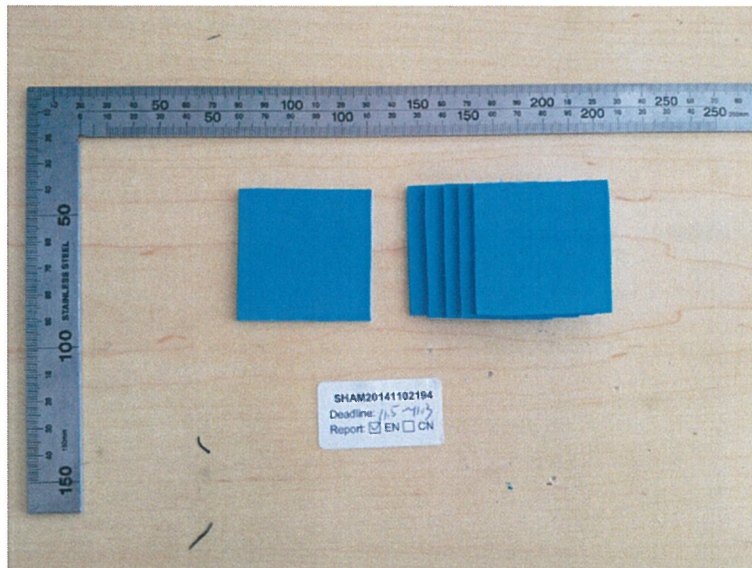
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Sample photo:



Statement: The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential smoke and toxicity

***** End of report *****

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