

No.: SHIN1411049982MR

Date: Dec 05, 2014

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CUSTOMER NAME: SUZHOU VOLSUN ELECTRIONICS TECHNOLOGY CO., LTD

ADDRESS: BUILDING 5, JINXING FUMIN INDUSTRIAL PARK, 413 MUDONG

ROAD, MUDU TOWN, SUZHOU CITY, JIANGSU PROVINCE, CHINA

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

Sample Name : Heat shrinkable identification sleeves

中国・上海・浦东康桥东路1159弄69号

SGS Ref. No. : SHIN1411049954PS

SUZPL141101944

Date of Receipt : Nov 26, 2014
Testing Start Date : Nov 26, 2014
Testing End Date : Dec 05, 2014

Test result(s) : For further details, please refer to the following page(s)

Signed for

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Cathy Wu

Authorized signatory



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Summary of Results:

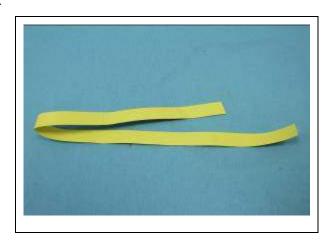
No.	Test Item	Test Method	Result	Conclusion
1	VW-1 Flame	UL 224-2006 REV.2:2010 Section 5.11	VW-1	Pass

Note: Pass: Meet the requirements;

Fail: Does not meet the requirements;

/ : Not Apply to the judgment.

Original Sample Photo:







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Test Item: VW-1 Flame

Sample Description: See photo

Test Method: UL 224-2006 REV.2:2010 Section 5.11

Test Condition:

Heat-shrinkable condition: 200°C, 3 min

Specimen: Length: 660 mm, Inside diameter: 3.89 mm

Steel wire diameter: 0.81 mm

Conditioning: 23±2 °C, 50±5 %RH, 48 h



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Test Result:

Specimen	1			2				3							
Number of Flame application	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Flame time or glow time after each application (s)	13.8	14.9	16.2	22.1	9.1	6.5	20.0	30.2	30.1	24.4	11.7	10.7	31.4	39.8	10.8
Whether or not any															
specimen continues to															
flame or glow longer															
than 60 seconds after	No			No			No								
removal of the burner															
flame following any															
application															
Whether or not any															
specimen shows more									No						
than 25 percent of the	No			No											
indicator flag burned															
away or charred															
Whether or not any										No					
specimen emits flaming															
or glowing particles or	No			No											
flaming drops at any															
time that ignite the															
cotton															
	Can't convey flame along its length.(See note 1)														
Judgment	2. Can't convey flame to combustible materials in its vicinity.(See note 2 and 3)														



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VW-1 requirements:

1. Shall not flame or glow longer than 60 seconds following any of the five 15 seconds applications of the test flame, and

2. Shall not ignite combustible materials in its vicinity or damage more than 25 percent of the indicator flag during, between, or after the five applications of the test flame.

Classification: VW-1

Client's requirement: VW-1

Conclusion: Pass

Note:

- 1. Where any specimen shows more than 25 percent of the indicator flag burned away or charred (soot that can be removed with a cloth or the fingers and brown scorching shall be ignored) after any of the five applications of flame, the tubing shall be considered capable of conveying flame along its length.
- 2. Where any specimen emits flaming or glowing particles or flaming drops at any time that ignite the cotton on the burner, wedge, or floor of enclosure (flameless charring of the cotton shall be ignored), the tubing shall be considered capable of conveying flame to combustible materials in its vicinity.
- 3. Where any specimen continues to flame or glow longer than 60 seconds after any application of the gas flame, the tubing shall be considered capable of conveying flame to combustible materials in its vicinity.
- 4. Test specimens were cut from the sample.
- The test was performed by SGS internal laboratory.

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

