



Test Report

No.: XMHL240900693601SD

Date: 29-Sep-2024

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SHANGHAI EASCO ELECTRICAL CO.,LTD.
N-7 NO.105 LANE 1159 KANQIAO EAST ROAD PUDONG NEW DISTRICT SHANGHAI,China

Sample Description : WIRE DUCT
Item No. : EAR/GAR/GER/WDCR/SDR
Manufacturer : SHANGHAI EASCO ELECTRICAL CO.,LTD.
Supplier : SHANGHAI EASCO ELECTRICAL CO.,LTD.
Country of Destination : Global

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

Chinese Version Report No. : SDFS2409006446FF_CN
Sample Receiving Date : Sep 05, 2024
Test Performing Date : Sep 05, 2024 to Sep 20, 2024
Test Performed : Selected test(s) as requested by applicant
Test Result(s) : For further details, please refer to the following page(s)

Test Result Summary

Test(s) Requested	Result(s)
UL 94-2024 Tests for Flammability of Plastic Materials for Parts in Devices and Appliances Clause 8 50W (20 mm) Vertical Burning Test; V-0, V-1, or V-2	Classification: V-0
Summary: 1. For further details, please refer to the following page(s).	

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Xiamen Branch

Terry Hong
Authorized Signatory

Scan to see the report



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Verification:
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SGS-CSTC Standards Technical Services Co., Ltd.
Xiamen Branch

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SGS Reference No.: SDFS2409006446F
The below tests were conducted by Shunde Branch, SGS-CSTC Co., Ltd.

TESTS AND RESULTS

Test Conducted:

UL 94-2024 Tests for Flammability of Plastic Materials for Parts in Devices and Appliances
Clause 8. 50W (20 mm) Vertical Burning Test; V-0, V-1, or V-2

Conditioning:

Set 1(Initial): Temperature: (23±2)°C; Relative Humidity:(50±10)% for a minimum of 48 hours;

Set 2(Oven Aging): Temperature: (70±2)°C; Duration:168h, Duration of room temperature cooling time: 4h

Acceptance Criteria:

	V-0	V-1	V-2
Afterflame time for each individual specimen t_1 and t_2	≤10s	≤30s	≤30s
Total afterflame time for any condition set (t_1 plus t_2 for the 5 specimens)	≤50s	≤250s	≤250s
Afterflame plus afterglow time for each individual specimen after the second flame application ($t_2 + t_3$)	≤30s	≤60s	≤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

Retest Provision:

If only one specimen from a set of five specimens does not comply with the requirements, another set of five specimens is to be tested. In the case of the total number of seconds of flaming, an additional set of five specimens is to be tested if the totals are in the range of 51– 55 seconds for V-0 and 251 – 255 seconds for V-1 and V-2. All specimens from this second set shall comply with the appropriate requirements in order for the material in that thickness to be classified V-0, V-1, or V-2.

Test Results:

No.	t_1 (sec.)	t_2 (sec.)	t_3 (sec.)	SUM ($t_2 + t_3$)	Whether the afterflame or afterglow of any specimen up to the holding clamp	Whether the cotton indicator ignited by flaming particles or drops
Set1	1	2	6	0	6	No
	2	2	5	0	5	No
	3	3	7	0	7	No
	4	3	7	0	7	No
	5	3	5	0	5	No
	SUM	13	30	$\sum t_1 + \sum t_2$: 43	---	
Set2	1	1	7	0	7	No
	2	3	5	0	5	No
	3	2	6	0	6	No
	4	2	4	0	4	No
	5	3	4	0	4	No
	SUM	11	26	$\sum t_1 + \sum t_2$: 37	---	



SGS-CSTC Technical Services Co., Ltd.
Xiamen Branch, Xiamen, Fujian, China

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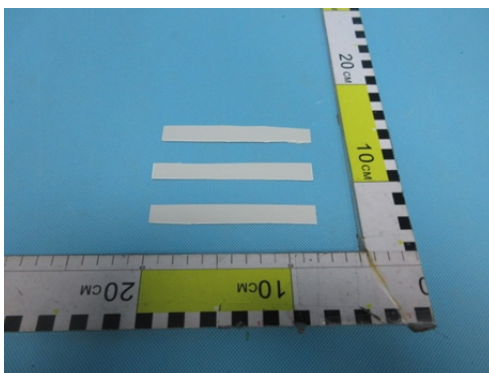
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Conclusion:

The specimen **complies with** the requirement of **V-0**.

SAMPLE INFORMATION AND PICTURES

Specified size of sample: 125 ±5mm×13.0 ±0.5mm, thickness≤13mm
Actual size of sample: 125mm×13.0mm×1.3mm



End of Report



SGS-CTC (Shanghai) Technical Service Co., Ltd.
Xiamen Branch Inspection & Testing Services

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