



Test Report

Report No.: AJFS2410012749FF

Date: NOV.07, 2024

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SINO MATERIAL (JIANGSU) TECHNOLOGY CO., LTD.

NO. 2 WOLONG ROAD, LAILONG TOWN, NEW MATERIALS INDUSTRIAL PARK, SUYU DISTRICT,
SUQIAN CITY, JIANGSU PROVINCE, CHINA

Sample Description: BLACK RUBBER INSULATION PIPE FOR AIR CONDITIONER

SGS Ref No.: AJHL2410004929FT

Style/Item No.: /

Manufacturer Name: SINO MATERIAL (JIANGSU) TECHNOLOGY CO., LTD.

Country of Origin: NO. 2 WOLONG ROAD, LAILONG TOWN, NEW MATERIALS INDUSTRIAL PARK,
SUYU DISTRICT, SUQIAN CITY, JIANGSU PROVINCE, CHINA

Country of Destination: US

The above sample(s) was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

Test Requested:

UL 94-2024, Standard for safety, 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.

Test Results: -- See attached sheet --

Test Period:

Sample Receiving Date : OCT.25, 2024

Test Performing Date : OCT.25, 2024 TO NOV.05, 2024

Signed for and on behalf of

SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch

Echo

Echo Li

Approved Signatory

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Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
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Member of the SGS Group (SGS SA)

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I. Test conducted

This test was conducted in accordance with UL 94-2024, Standard for safety, 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.

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

Sample description	BLACK RUBBER INSULATION PIPE FOR AIR CONDITIONER (provided by client)
Color	Black
Size of sample*	Ø50mmx125mm, wall thickness: 11.5mm

* The sample is non-standard size, test results only for reference.

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 $50\pm 10\%$,

Five specimens were conditioned in a circulating air oven for 168 ± 2 h at 70 ± 2 °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, R.H.: 50 ± 10 %, at least 48 h

Specimen No.	t1 (s)	t2 (s)	t3 (s)	(t2+t3) (s)	(t1+t2) (s)	Afterflame or afterglow of any specimen up to the holding clamp (Yes/No)	Cotton indicator ignited by flaming particles or drops (Yes/No)
1	1	0	0	0	2	No	No
2	0	0	0	0		No	No
3	0	0	0	0		No	No
4	0	0	0	0		No	No
5	1	0	0	0		No	No



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2) Oven at: $70 \pm 2^\circ\text{C}$ 168 ± 2 h and then cooled in the desiccators for at least 4h

Specimen No.	t1 (s)	t2 (s)	t3 (s)	(t2+t3) (s)	(t1+t2) (s)	Afterflame or afterglow of any specimen up to the holding clamp (Yes/No)	Cotton indicator ignited by flaming particles or drops (Yes/No)
1	0	1	0	1	4	No	No
2	1	0	0	0		No	No
3	1	0	0	0		No	No
4	1	0	0	0		No	No
5	0	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 V-0, V-1 or V-2 shall comply with the following requirements

Criteria conditions	V-0	V-1	V-2
Afterflame time for each individual specimen t1 and t2	$\leq 10\text{s}$	$\leq 30\text{s}$	$\leq 30\text{s}$
Total after flame time for any condition set (t1 plus t2 for the 5 specimens)	$\leq 50\text{s}$	$\leq 250\text{s}$	$\leq 250\text{s}$
Afterflame plus afterglow time for each individual specimen after the second flame application (t2+t3)	$\leq 30\text{s}$	$\leq 60\text{s}$	$\leq 60\text{s}$
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



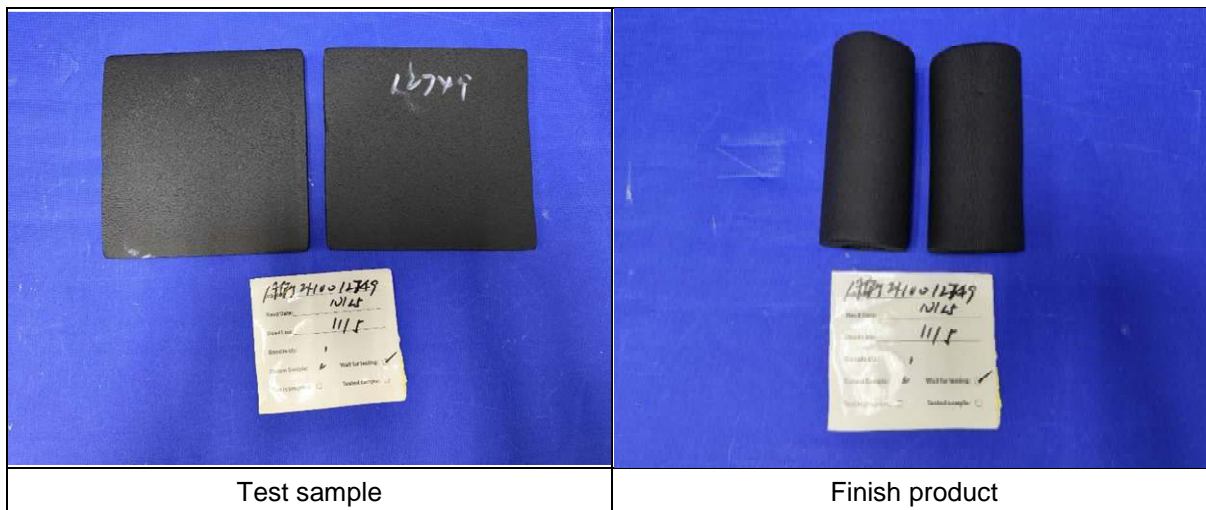
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Photo Appendix:



SGS authenticate the photo on original report only

End of Report