



Material and Engineering Laboratory-Taipei

TEST REPORT



REPORT NO. : HV-25-03990A

PAGE : 1 OF 4

ISSUANCE DATE : AUG. 20, 2025

REISSUANCE DATE : AUG. 20, 2025

MEGA MASTER TECHNOLOGY CO., LTD

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Product Name: Polyolefin Foam

Product Type: eFoam N

Product Color: WHITE

Manufacturer: MEGA MASTER TECHNOLOGY CO., LTD

Product Submitted By: MEGA MASTER TECHNOLOGY CO., LTD

Date of Sample Received: JULY 28, 2025

Date of Testing: JULY 28, 2025~AUGUST 14, 2025

Remark: 或對該份文件進行刪減、添加及其他
The information mentioned in the above section and the following report content marks shall be provided by Client.
(Exclude Test Witnessed By, Test Method, Number of test, Date of Sample Received and Date of Testing)

The laboratory tests according to the test requests and samples provided by client, and the results are as follows:

Test Required: *Horizontal Burning-Formed Material Test*

Test Method: Please see attached sheets

Test Result: Please see attached sheets

Remark: 1. Test location: The testing site is the same as the laboratory address.

未經許可擅自挪用者，須自負法律責任

2. Item Description: Rectangular specimen.

3. This Test Report is an additional original report of HV-25-03990. Issued date : AUG.20,2025.

律責任*

----- 1 -----

The value of required specifications are for reference only.

Conformity judgement is the Applicant's final verdict.

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Signed for and on behalf of
SGS TAIWAN Ltd.

SGS Taiwan Ltd.
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Horizontal Burning Foamed Material Test

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Test Equipment :

Name	Brand	Model
150 mm Digimatic Caliper	Mitutoyo	500-196-30
Horizon Vertical Flame Chamber	ATLAS	HVUL2
Oven	Chung Chuan	CH150

或對該份文件進行刪減、添加及他

Test Method :

Ref. to UL 94 (2023)

Test for **用** Flammability of Plastic Materials for Parts in Devices and Appliances

Test Condition*:

本文件不得進行拆分使用

Test Method: Horizontal Burning Foamed Material Test

Conditioning 1 : Specimens are to be preconditioned at $(23 \pm 2)^{\circ}\text{C}$ and(50 \pm 10)% relative humidity for 48 hoursConditioning 2 : *未用印視同無效文件*
Specimens are to be preconditioned in an air-circulating oven for (168 ± 2) hours at $(70 \pm 2)^{\circ}\text{C}$ and then cooled in the desiccator for at least 4 hours at room temperature

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Test Result :

Conditioning 1 [Temperature (23±2)°C, Relative Humidity (50±10)%, at least 48 hours]

Test Item(s)	Specimen					#UL 94 Requirements	
	1	2	3	4	5	HF-1	HF-2
Thickness(mm)	2.98	2.40	2.40	2.87	2.89	-	-
Afterflame time(sec)	0	0	0	0	0	4/5 is ≤ 2s 1/5 is ≤ 10s	4/5 is ≤ 2s 1/5 is ≤ 10s
Afterflame time plus afterglow time for each individual specimen(sec)	0	0	0	0	0	≤ 30s	≤ 30s
Cotton indicator ignited by flaming particles or drops	No	No	No	No	No	No	Yes
Damaged length for each individual specimen(mm)	22.47	23.76	19.17	20.10	21.45	<60mm	<60mm

Note: 4/5-Four out of a set of five specimens.

1/5-One out of a set of five specimens.

Conditioning 2 [Temperature (70±2)°C, (168±2) hours, at least. Cooled 4 hours at desiccator]

Test Item(s)	Specimen					#UL 94 Requirements	
	1	2	3	4	5	HF-1	HF-2
Thickness(mm)	2.98	2.40	2.40	2.87	2.89	-	-
Afterflame time(sec)	0	0	0	0	0	4/5 is ≤ 2s 1/5 is ≤ 10s	4/5 is ≤ 2s 1/5 is ≤ 10s
Afterflame time plus afterglow time for each individual specimen(sec)	0	0	0	0	0	≤ 30s	≤ 30s
Cotton indicator ignited by flaming particles or drops	No	No	No	No	No	No	Yes
Damaged length for each individual specimen(mm)	23.57	25.10	23.11	20.13	22.11	<60mm	<60mm

Note: 4/5-Four out of a set of five specimens.

1/5-One out of a set of five specimens.

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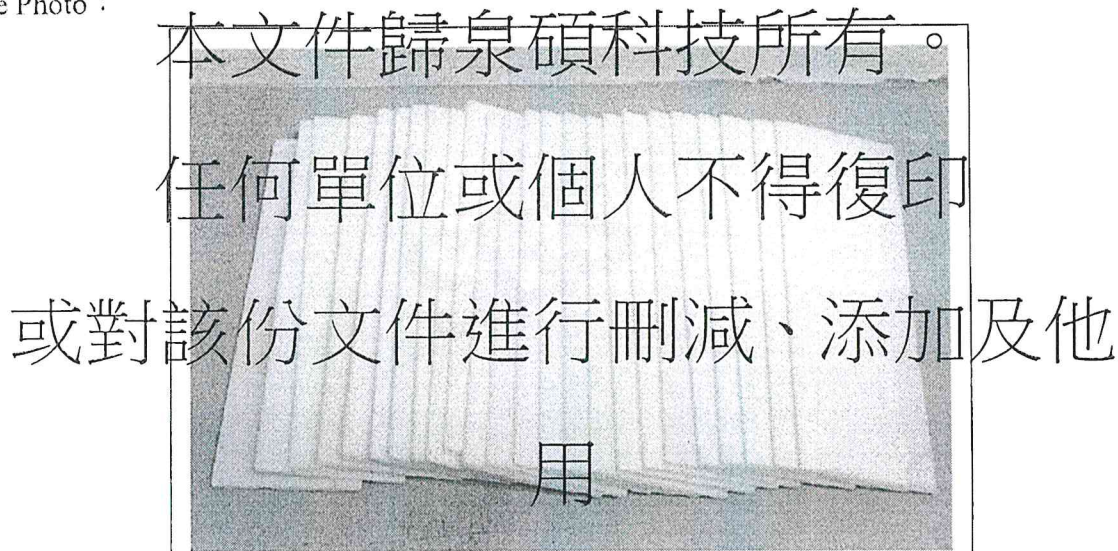
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Sample Photo :



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