

Report No. A225053761710100202

Page 1 of 6

Company Name NINGBO XINQIAO CHEMICALIND CO.,LTD

Address NO.98 JINJIRD,BEILUNDISTRICE NINGBO CITY,ZHEJIANG PROVINCE

**The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client**

Sample Name expandable polystyrene

Sample Received Date Jul. 27, 2025

Testing Period Jul. 27, 2025-Aug. 7, 2025

**Test Requested**

No.	Test Item
1	Horizontal Burning Foamed Material Test

**Test Result(s):** Please refer to the following pages.

Approved by \_\_\_\_\_

Date \_\_\_\_\_

Wesley Mao  
Approved Signatory

No.RE7A788EA4

Centre Testing International Corporation  
(Hangzhou) Co.,Ltd.Room 105, Building 1, No.600, No.21 Street, Baiyang Road, Hangzhou  
Economic & Technological Development Zone Hangzhou, China;

# CTI 华测检测 Test Report

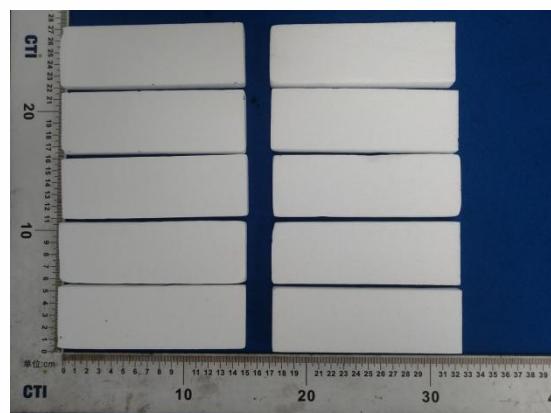
Report No. A225053761710100202

Page 2 of 6

## Tested Sample(s)

Sample No.	Sample Name
A2250537617101002	expandable polystyrene

## Sample Photo(s)



A2250537617101002

## Test Report

Report No. A225053761710100202

Page 3 of 6

**Test Item: Horizontal Burning Foamed Material Test****1. Test Equipment**

Equipment Name	Model
High temperature test chamber	SEG-021H
Horizontal and vertical burning tester	FRTS-UL94-A

**2. Environmental Conditions**

Temperature: 24.9°C ; Humidity: 72%RH

**3. Test Standard: UL 94-2023****4. Test Condition**

Flame height: (38±2) mm , Application time: (60±1) s

**5. Test Result(s)**

Condition	Room temperature: (23±2)°C, (50±10)%RH, ≥48h					Aging: (70±2)°C, 168h→ Desiccator, ≥4h				
	1	2	3	4	5	6	7	8	9	10
Test Sample: A2250537617101002	0	0	0	0	0	0	0	0	0	0
Afterflame time for each individual specimen $t_1$ (s)	0	0	0	0	0	0	0	0	0	0
Afterglow time for each individual specimen $t_2$ (s)	0	0	0	0	0	0	0	0	0	0
Afterflame time plus afterglow time for each individual specimen ( $t_1+t_2$ ) (s)	0	0	0	0	0	0	0	0	0	0
Cotton indicator ignited by flaming particles or drops	No	No	No	No	No	No	No	No	No	No
Damaged length for each individual specimen ( $L_d+25$ ) (mm)	<60	<60	<60	<60	<60	<60	<60	<60	<60	<60
Distance burned between gauge marks $L_d$ (mm)	-	-	-	-	-	-	-	-	-	-
Burning time between gauge marks (s)	-	-	-	-	-	-	-	-	-	-
Burning rate (mm/min)	-	-	-	-	-	-	-	-	-	-
Have each specimen cease to burn before flaming or glowing reaches the 125 mm gauge mark	No	No	No	No	No	No	No	No	No	No
<b>Conclusion</b>	<b>The sample test results pass the requirements of HF-1.</b>									

Remark:1. Size 150mm×50mm×12.0mm. 2. “-” in the table means specimen cease to burn before flaming or glowing reaches the 25 mm gauge mark and no burning rate.

## Test Report

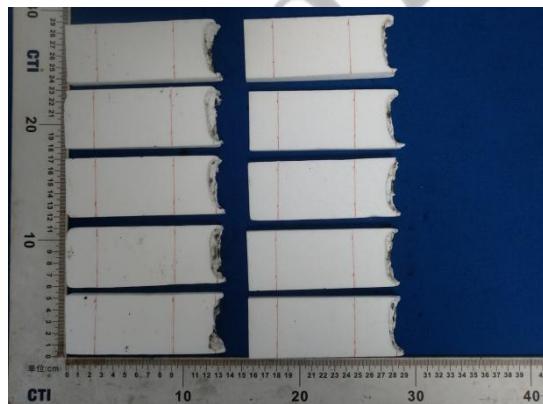
Report No. A225053761710100202

Page 4 of 6

Table: Horizontal burning foamed material classification

HF-1 & HF-2 criteria conditions	HF-1	HF-2
Afterflame time $t_1$	4 out of 5 are $\leq 2$ s 1 out of 5 is $\leq 10$ s	4 out of 5 are $\leq 2$ s 1 out of 5 is $\leq 10$ s
Afterflame time plus afterglow time for each individual specimen ( $t_1+t_2$ )	$\leq 30$ s	$\leq 30$ s
Cotton indicator ignited by flaming particles or drops	No	Yes
Damaged length for each individual specimen ( $L_d+25$ )	$< 60$ mm	$< 60$ mm
HBF criteria conditions	a) Not have any specimens with a burning rate exceeding 40 mm per minute over a 100 mm span, or b) Have each specimen cease to burn before flaming or glowing reaches the 125 mm gauge mark.	

## Test Photo(s)



After test

## Remark:

1. Test data for A225053761710100202 comes from report No. A2250537617101002.
2. The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

# Test Report

Report No. A225053761710100202

Page 5 of 6

Statement:

- 1.This report is considered invalid without approved signature, special seal and the seal on the perforation;
- 2.The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which CTI hasn't verified;
- 3.The result(s) shown in this report refer(s) only to the sample(s) tested;
- 4.Without written approval of CTI, this report can't be reproduced except in full;
- 5.In case of any discrepancy between the English version and Chinese version of the testing reports(if generated), the Chinese version shall prevail.

\*\*\* End of Report \*\*\*

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# Test Report

Report No. A225053761710100202

Page 6 of 6

## Appendix

Client Reference Information:

F/FM/FG grade

Statement:

The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

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