

Report No. A225053761710100102

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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	Oxygen index

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

Approved by _____
Wesley Mao
Approved Signatory

Date Aug. 7, 2025

Centre Testing International Corporation
(Hangzhou) Co.,Ltd.

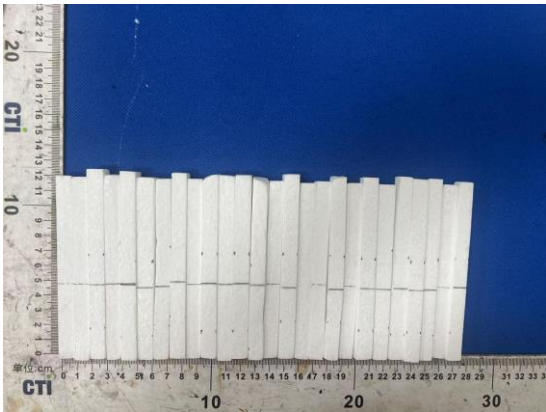
Room 105,Building 1,No.600,N0.21 Street, Baiyang Road, Hangzhou
Economic & Technological Development Zone Hangzhou, China;

No.RE7A788EA4

Tested Sample(s)

Sample No.	Sample Name
A2250537617101001	expandable polystyrene

Sample Photo(s)



A2250537617101001

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Test Item: Oxygen index

1. Test Equipment

Equipment Name	Model
Oxygen index tester	COI

2. Environmental Conditions

Temperature: 23.7 °C ; Humidity: 55 %RH

3. Test Standard: GB/T 2406.2-2009

4. Test Condition

Procedure A - Top surface ignition

5. Test Result(s)

Test Sample	Test Result (%)
A2250537617101001	31.7

Remark: Sizes 120 mm×10 mm×10.0 mm. Cutting from product.

Statement: the test results relate only to the behaviour of the test specimens under the conditions of this test and that these results shall not be used to infer the fire hazards of the materials in other forms or under other fire conditions.

Test results sheet for oxygen index determined

Section 1: Determination of oxygen volume fraction for one pair of “X” and “O” responses at $\leq 1\%$ O₂ volume fraction interval.

Oxygen volume fraction, %	30.0	32.0	31.0			
Burning Period, s	1	5	4			
Length burnt, mm	20	> 50	39			
Response (“X” or “O”)	O	X	O			

Section 2: Determination of oxygen index.

	N _T series measurements									
	N _L series measurements									C _f
Oxygen volume fraction, %	31.0	31.2	31.4	31.6		31.6	31.4	31.6	31.8	32.0
Burning Period, s	2	2	3	7		7	3	3	4	6
Length burnt, mm	28	18	24	> 50		> 50	27	31	43	> 50
Response (“X” or “O”)	O	O	O	→		X	O	O	O	X

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Remark: Test data for A225053761710100102 comes from report No. A2250537617101001.

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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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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