

Test Report

Report No.: YJ2023020016EN

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Company Name: Wuxi xingda new foam plastics materials co., ltd

Address: 88 xigang RD(S) donggang town xishan district, WUXI, jiangsu, china

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

Sample Name : Expandable polystyrene
Item No. : ZFR choke fuel
Color : White
Material : Expandable polystyrene board
Test Requested : GB 8624-2012, Table 7
Test Item(s) : Burning behavior, Class B₁

Test Information

Sample Received Date : Feb. 06, 2023
Test Period : Feb. 06, 2023 to Feb. 13, 2023
Test Result(s) : Please see attach sheet.
Conclusion : The submitted sample(s) **complied** with the burning behavior requirements of GB 8624-2012 B₁.

Approved by: _____

ZHANG Jia, Jason

Authorized Signatory

Date: _____ Feb. 13, 2023



Zhejiang CTI Foresight Testing Co., Ltd Room 101, No. 13-1, Building 13, No. 11, Lingang Road, Renhe Street, Yuhang District, Hangzhou, Zhejiang, China
Building 13-1, No. 11, Lingang Road, Renhe street, Yuhang District, Hangzhou, Zhejiang, China

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I. Test Conducted

This test was conducted in accordance with GB 8624-2012 Classification for burning behavior of building materials and products, and the test methods as following:

1. GB/T 16172-2007 Test method for heat release rate of building materials
2. GB/T 8333-2008 Test method for flammability of rigid cellular plastics - Vertical burning method

II. Sample Details

| | | | |
|-------------|-----------------|-----------------|-------------|
| Description | Foam | Exposed surface | Any surface |
| Dimensions | 254mmx19mmx19mm | Color | White |

III. Test Results

| Test method | Parameter | Result |
|-------------|-------------------------------------------------------------|--------|
| GB/T 16172 | Maximum heat release rate per unit area(kW/m ²) | 215.8 |
| GB/T 8333 | Average extinguishment time(s) | 10 |
| | Average flame height(mm) | 75 |

IV. Classification and direct field of application

This classification has been carried out in accordance with GB 8624-2012 chapter 5.2.4, the classes with their corresponding fire performance are given in annex A.

| | |
|---------------|----------------------|
| Complied with | Class B ₁ |
|---------------|----------------------|

Reaction to fire classification: GB 8624 B₁

V. Statement

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Annex A

Classes of reaction to fire performance for cellular plastics used in furniture and electrical appliances

| Class | Test methods | Classification criteria |
|----------------|---------------------------|-----------------------------------------------------------------|
| B ₁ | GB/T 16172 ^a | Maximum heat release rate per unit area ≤ 400 kW/m ² |
| | GB/T 8333 | Average extinguishment time ≤ 30s; Average flame height ≤ 250mm |
| B ₂ | GB/T 8333 | Average extinguishment time ≤ 30s; Average flame height ≤ 250mm |
| B ₃ | No performance determined | |

^a irradiance is 30 kW/m²

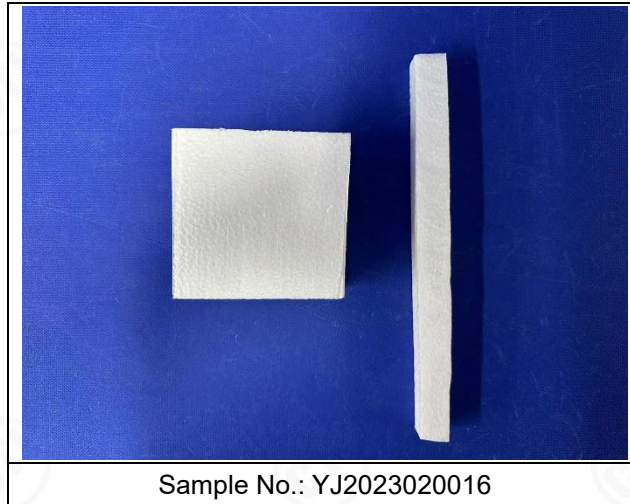


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Photo Appendix**Statement**

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-FST 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-FST, this report can't be reproduced except in full.
5. The test report shall only be used for client scientific research, teaching, internal quality control, product research and development, etc... and just for client internal reference.
6. This test report is a translation of report No.: YJ2023020016. If any dispute of misunderstanding happens, the chinese version prevails. The sample name is modified.

*** End of Report ***

