



Material and Engineering Laboratory-Taipei

TEST REPORT



REPORT NO. : HV-23-05428

PAGE : 1 OF 4

ISSUANCE DATE : NOV. 21, 2023

PHU SON INDUSTRIAL TECHNOLOGY COMPANY LIMITED

Lot 7 – CN 5 Ngoc Hoi Industrial Cluster, Ngoc Hoi Commune,
Thanh Tri District, Hanoi City. Vietnam.

Product Name: URP-378 PU FOAM
Product Submitted By: PHU SON INDUSTRIAL TECHNOLOGY COMPANY LIMITED
Date of Sample Received: OCTOBER 18, 2023
Date of Testing: OCTOBER 18, 2023~NOVEMBER 21, 2023
Remark: The information mentioned in the above section and the following
report content marks # are provided by Client.
(Exclude Test Witnessed By, Test Method, Number of test,
Date of Sample Received and Date of Testing)

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

Test Required: Fire Test

Test Method: Please see attached sheets

Test Result: Please see attached sheets

Remark: Fire Test is subcontracted to SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch.
(Report No.:AJFS2310010021FF-01)

----- 1 -----

The value of required specifications are for reference only.
Conformity judgement is the Applicant's final verdict.

Signed for and on behalf of
SGS Taiwan Ltd.

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TEST REPORT



REPORT NO. : HV-23-05428

PAGE : 2 OF 4

ISSUANCE DATE : NOV. 21, 2023

Test Requested:

DIN 4102-1:1998-05 Fire behaviour of building materials and elements Part 1: Classification of building materials, Requirements and testing, Class B2 materials---For all materials except flooring.

Conclusion: The tested sample **meets** class **B2** materials requirements of DIN 4102-1:1998-05.

I. Test conducted

This test was conducted as per DIN 4102-1:1998-05 Fire behaviour of building materials and elements Part 1: Classification of building materials, Requirements and testing, Clause 6.2. Class B2 materials.

II. Sample details

Sample description	URP-378 PU FOAM (provided by client)
Color	Beige
Density	29.0 kg/m ³
Size of sample	190mm×90mm×11.6mm

Conditioning

Prior to testing, the sample was conditioned at least 14 days to constant mass at a temperature of 23 ± 2 °C, and a relative humidity of 50 ± 6 %.

----- 2 -----

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TEST REPORT



REPORT NO. : HV-23-05428

PAGE : 3 OF 4

ISSUANCE DATE : NOV. 21, 2023

III. Test results

Edge ignition

Fire application time: 15s

Parameter	1	2	3	4	5
Whether or not flaming extinguished before reach the gauge mark (Yes/No)	Yes	Yes	Yes	Yes	Yes
Whether or not flaming reach the measuring mark within 20 seconds (Yes/No)	No	No	No	No	No
Time for the flame tip to reach the gauge mark (s)	NA	NA	NA	NA	NA
Afterflame time (s)	2	4	3	2	3
Max. flame height (cm)	13	11	12	12	13
Molten dripping (Yes/No)	No	No	No	No	No
Smoke developments (visual impression)	Medium				

Note: NA—Not application.

DIN 4102-1: 1998-05 Criteria for B2/B3 classification

- Materials may be classed as **B2** materials if they pass the ignitibility test specified in DIN 4102-1: 1998 subclause 6.2.5

For each specimen, flaming doesn't reach the gage mark within 20s after flame application.

- Combustible materials which cannot be classed as B1 or B2 materials shall be classed as **B3** materials.

----- 3 -----

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TEST REPORT



REPORT NO. : HV-23-05428

PAGE : 4 OF 4

ISSUANCE DATE : NOV. 21, 2023

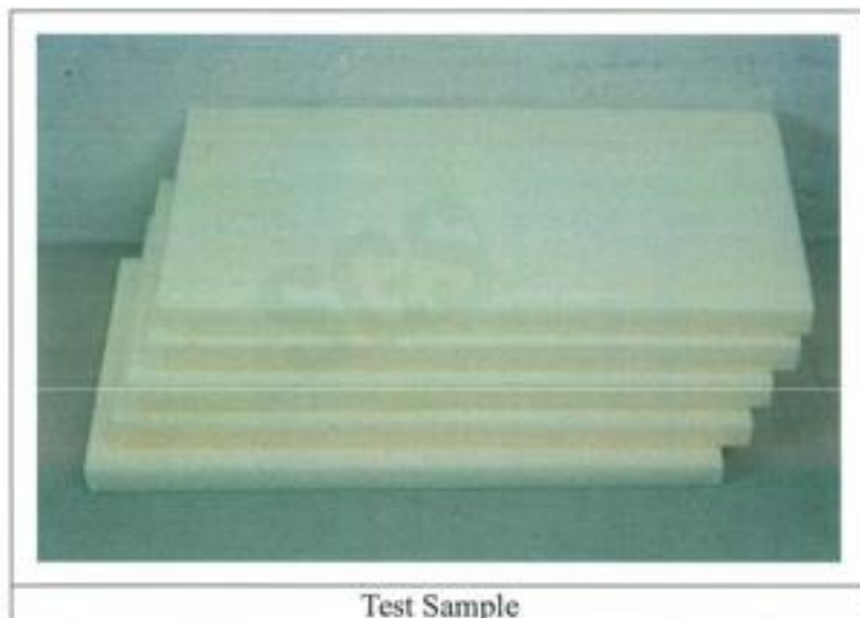
STATEMENTS:

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

This test report does not replace any mandatory certification of the product that may be required.

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 and smoke hazard of the product in use.

Sample Photo:



Test Sample

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