

JIANGSU DONGFANG BOTECH TECHNOLOGY CO., LTD

TEST REPORT

REPORT NUMBER

190329030SHF-002

ISSUE DATE

2019/4/12

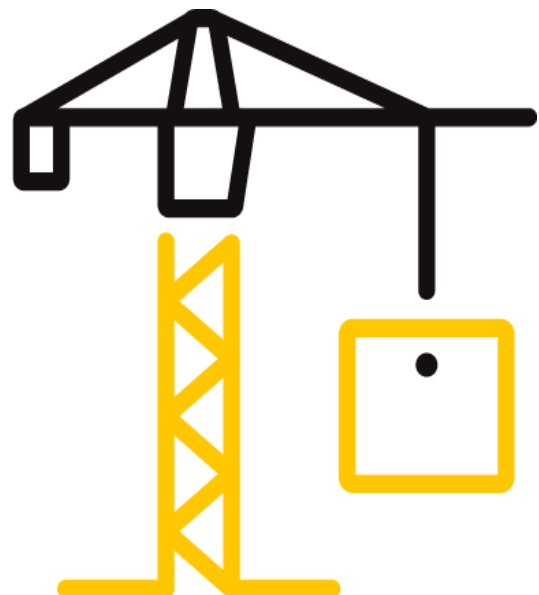
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Test Report

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Applicant: JIANGSU DONGFANG BOTECH TECHNOLOGY CO., LTD

Applicant Address: NO.8 Huayu Road, Donglai District, Yangshe Town, Zhangjiagang City

Attn: Jian wei

SUBJECT: Performance testing
FR A2 core

Dear Sir,

This test report represents the results of our evaluation of the above referenced product(s) to the requirements contained in the following standards:

TEST METHODS AND STANDARDS
Refer to the next following Pages.

SAMPLE ID	MODEL	SPECIFICATION
S190329030SHF.002	3.0mm	Alubotec

SAMPLE RECEIVED: 2019/4/1
TESTED FROM: 2019/4/1 TO 2019/4/12

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Test Items, Method and Results:

Test method: ASTM D1929-16 Standard Test Method for Determining Ignition Temperature of Plastics.

The test conducted to evaluate the laboratory determination of the spontaneous-ignition temperatures and flash-ignition temperatures of plastics using a hot air furnace.

There are no pass or fail criteria for ASTM D1929 standard.

1.1 Flash Ignition Temperature (FIT):

Testing for Flash Ignition Temperature is conducted in accordance with Section 8.1 of the standard.

Flash ignition temperature (FIT) is defined as the minimum temperature at which, under specified test conditions, sufficient flammable gases are emitted to ignite momentarily upon application of a small external pilot flame.

1.2 Spontaneous Ignition Temperature (SIT):

Testing for Spontaneous Ignition Temperature is conducted in accordance with Section 8.2 of the

Spontaneous ignition temperature or self-ignition temperature (SIT) is defined as the minimum temperature at which the selfheating properties of the specimen lead to ignition or ignition occurs of itself, under specified test conditions, in the absence of any additional flame ignition source.

“These test results relate only to the behavior of test specimens under the particular conditions of the test. They are not intended to be used, and shall not be used, to assess the potential fire hazards of a material in use.”

1.3 Test Samples:

Specimens consisted of sheet material cut by client into squares approximately 20 ± 2 by 20 ± 2 .

The test samples were conditioned for a minimum of 40 hours at $23 \pm 2^{\circ}\text{C}$ and $50 \pm 5\%$ relative humidity prior to testing.

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Test Items, Method and Results:

1.4 Results and Observations:

Test Environment: 23 °C, 50 R.H.

Results Summary:

Sample Name	Average Mass (g)	Flash Ignition Temperature (°C)	Self-Ignition Temperature (°C)
FR A2 core	2.0	629	644

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APPENDIX: SAMPLE RECEIVED PHOTO




Front View



Back View

REPORT AUTHORIZED

When signed with physical or electronic signature, the contents of this report have been prepared and approved per Intertek's quality process in accordance with ISO 17025.


Harrison Li *Tod Qian*
Name: Harrison Li Name: Tod Qian
Title: Reviewer Title: Project Engineer

Revision:

NO.	DATE	CHANGES	AUTHOR	REVIEWER
190329030SHF-002	2019/4/12	First issue	Tod Qian	Harrison Li