



中国认可
国际互认
检测
TESTING
CNAS L4743

Test Report

No. AJFS1909009426FF

Date: OCT.11, 2019

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LINYI LINSU ENVIRONMENTAL PROTECTION MATERIAL CO., LTD

JINSHAN ROAD, ADVANCED EQUIPMENT MANUFACTURING INDUSTRIAL PARK, NEW AND HI-TECH ZONE OF LINYI CITY, SHANDONG PROVINCE, CHINA

This test report is a translation of report No. AJFS1909009426FF_CN. If any dispute or misunderstanding happens, the Chinese version prevails.

The following sample(s) was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion. results apply to the sample as received.

Sample Description: GIQIU PVC FLOORING

SGS Ref No.: QDIN1909005465SC

Style/Item No.: /

Specification: 2.0mm*2m*20m

Material: PVC

Manufacturer: LINYI LINSU ENVIRONMENTAL PROTECTION MATERIAL CO., LTD

Test Requested:

GB 8624-2012 classification for burning behavior of building materials and products, flooring material, class B

Test Results: -- See attached sheet --

Test Period:

Sample Receiving Date : SEP.23, 2019

Test Performing Date : SEP.23, 2019 TO SEP.27, 2019

Signed for and on behalf of
SGS-CSTC Co., Ltd. Anji Branch

Allen Zou
Lab Manager



AJFS1909009426FF



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I. Test conduct:

This test is conducted as per GB 8624-2012 classification for burning behavior of building materials and products. And the test methods as following:

1. GB/T 11785-2005 Reaction to fire tests for floorings — Determination of the burning behaviour using a radiant heat source;
2. GB/T 8626-2007 Test method of flammability for building materials.

II. Details of classified product

Sample description	Giqiu PVC flooring
Thickness*	2 mm
Area density	3127 g/m ²

* Measured by lab.

Mounting and fixing:

Fibre cement board, with its density approximate 1800kg/m³, thickness approximate 9mm, is as the substrate. The test specimens are fixed mechanically to the substrate. No joint in the long wing.

III. Test result

Test method	Parameter	Number of tests	Results
GB/T 11785	CHF (kW/m ²)	3	9.9
	Smoke (%xminutes)		241.2
GB/T 8626 Exposure = 15 s	Whether vertical flame spread (Fs) in excess of 150 mm within 20s (Yes/No)	6	No

Note:

CHF: Critical flux.

To be continued...



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IV. Classification and direct field of application

This classification has been carried out in accordance with GB 8624-2012-chapter 5.1.2 flooring materials, The classes with their corresponding fire performance are given in annex A.

a) Classification

The product, Giqui pvc flooring, classification is as following:

Reaction to fire
B

Reaction to fire classification: GB 8624 B₁ (B-s1)

b) Field of application

This classification for the submitted sample is valid for the following end use condition:

- With all substrates classified A1 or A2
- With mechanically fixing
- No joint

Characteristics of the various layers identical to those as described in section II of this test report.

STATEMENT:

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.

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.

WARNING:

This classification report does not represent type approval or certification of the product.

The test laboratory has, therefore, play no part in sampling the product for the test, although it holds appropriate references to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.

To be continued....



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Annex A

Class		Test method(s)		Classification criteria	
A	A1	GB/T 5464 ^a	and	$\Delta T \leq 30^\circ\text{C}$, and $\Delta m \leq 50\%$, and $t_f = 0$ (i.e. no sustained flaming)	
		GB/T 14402		$PCS \leq 2.0\text{MJ/kg}$ ^a and $PCS \leq 2.0\text{MJ/kg}$ ^b and $PCS \leq 1.4\text{MJ/m}^2$ ^c and $PCS \leq 2.0\text{MJ/kg}$ ^d	
	A2	GB/T 5464 ^a	or	and	$\Delta T \leq 50^\circ\text{C}$, and $\Delta m \leq 50\%$, and $t_f \leq 20\text{ s}$
		GB/T 14402			$PCS \leq 3.0\text{MJ/kg}$ ^a and $PCS \leq 4.0\text{MJ/m}^2$ ^b and $PCS \leq 4.0\text{MJ/m}^2$ ^c and $PCS \leq 3.0\text{MJ/kg}$ ^d
			GB/T 11785 ^e		Critical flux CHF (kW/m ²) $\geq 8.0\text{ kW/m}^2$
	B ₁	B	GB/T 11785 ^e	and	Critical flux CHF $\geq 8.0\text{ kW/m}^2$
GB/T 8626 Exposure =15s			and	Fs $\leq 150\text{mm}$ within 20 s	
C		GB/T 11785 ^e	and	Critical flux CHF $\geq 4.5\text{ kW/m}^2$	
		GB/T 8626 Exposure =15s		Fs $\leq 150\text{mm}$ within 20 s	
B ₂	D	GB/T 11785 ^e	and	Critical flux CHF $\geq 3.0\text{ kW/m}^2$	
		GB/T 8626 Exposure =15s	and	Fs $\leq 150\text{mm}$ within 20 s	
	E	GB/T 11785 ^e	and	Critical flux CHF $\geq 2.2\text{ kW/m}^2$	
		GB/T 8626 Exposure =15s	and	Fs $\leq 150\text{mm}$ within 20 s	
B ₃	F	No performance determined			

a: For homogeneous products and substantial components of non-homogeneous products.
 b: For any external non-substantial component of non-homogeneous products.
 c: For any internal non-substantial component of non-homogeneous products.
 d: For the product as a whole.
 e: Test duration = 30 min.

To be continued....



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Characteristics of smoke production classification and Classification criteria

Characteristics of smoke production classification	Test method	Classification criteria	
s1	GB/T 11785	Flooring materials	Smoke production $\leq 750\% \times \text{min}$
s2			Not s1

Photo Appendix:



SGS authenticate the photo on original report only

End of Report



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