

Test Report

No. SDFS2410007233FF

Date: Nov.14, 2024

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GUANGDONG YOUCAI PLASTIC FLOORING CO., LTD
308, NO.8, JINGFU ROAD, HENGLI TOWN, DONGGUAN CITY, GUANGDONG PROVINCE

Sample Description : PLASTIC FLOOR
Product specification : COMPOSITE

The above data and information 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.

SGS Ref No. : GZIN2410004048PL01
Sample Receiving Date : Oct.30, 2024
Test Performing Date : Oct.30, 2024 to Nov.14, 2024

Test Result Summary

Test(s) Requested	Result(s)
DIN 4102-1:1998-05	The sample tested meets the requirements of class B1 of DIN 4102-1:1998-05 Clause 6.

Summary:

1. For further details, please refer to the following page(s).

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

Ada

Scan to see the report



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Verification:
check.sgsonline.com.cn

Ada Liu
Approved signatory



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TESTS AND RESULTS

Test Conducted:

These tests are conducted in DIN 4102-1:1998-05 Clause 6 Class B Building materials according to the application.

Conditioning:

Temperature: (23±2)°C; Relative Humidity: (50±6)%; Duration: 2 weeks

Test Requirement:

Materials used as flooring may be classified as B1 materials if they pass the fire test specified in DIN 4102-14 and meet the requirements for B2 materials.

The fire test in DIN 4102-14 shall be deemed passed if the mean critical irradiance, I, for three specimens is at least 0.45 W/cm², and the mean light absorptance obtained by integrating over 30 minutes for three specimens is no greater than 750% · min.

Test Results:

1.DIN 4102-1 B2 Test Result

Parameter	Results									
	Bottom edge ignition					Surface ignition				
	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Specimen ignition (Yes/No)	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*
Ignition ceased time(s)	-	-	-	-	-	-	-	-	-	-
If flame tip reached 150mm line/40,190mm line(Yes/No)	No	No	No	No	No	No	No	No	No	No
Ignition time to reached 150mm line/40,190mm line(s)	-	-	-	-	-	-	-	-	-	-
Filter paper ignition (Yes/No)	No	No	No	No	No	No	No	No	No	No
Smoke developments (visual impression)	Slight smoke					Slight smoke				

Remark: *--The specimen was ignited but self-extinguished after removed the burner.

Class B2 Test requirement:

This test shall be deemed passed if, for any of the five specimens tested, flaming does not reach the gauge mark within 20 seconds after flame application, either with bottom edge ignition or surface ignition.

Sub-conclusion: Pass



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2. Additional DIN4102-14 Test Result

Specimen No.	Furthest extent of spread of flame(cm)	Critical Heat Flux W/cm ²	Integrated smoke value (% • min.)	Comments and Observation
1	31	0.70	140.6	Charring
2	33	0.67	167.2	Charring
3	29	0.75	150.1	Charring
The mean critical irradiance, I = 0.71W/cm ²				
The mean light absorptance obtained by integrating over 30 minutes for three specimens is 152.6% • min.				

Sub-conclusion: Pass

Conclusions:

The sample tested meets the requirements of class B1 of DIN 4102-1:1998-05 Clause 6.

SAMPLE INFORMATION AND PICTURES

Area Density: 3.09kg/m²
 Thickness: 2.0mm
 Tested surface: Pattern surface



Sample face



Sample back

End of Report



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