

Test Report

No. SDFS2209005860FF

Date: Sep.20, 2022 Page 1 of 5

WOVEN IMAGE INTERIOR MATERIAL (SHANGHAI) CO., LTD.
ROOM 103, BDG B, NO. 3039 LIYUE ROAD, PUJIANG TOWN, MINHANG DIST, SHANGHAI, CHINA

Sample Description : FUJI
Composition : 100% PET (64 RECYCLED)

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.

Sample Receiving Date : Sep.13, 2022
Test Performing Date : Sep.13, 2022 to Sep.20, 2022

Test Result Summary

Test(s) Requested	Result(s)
GB 8624-2012 Fire classification for burning behavior of building materials and products Clause 5.1.1 Table 2 Classes of reaction to fire performance for slab building materials and construction products	Classification: B ₁ (B-s1,d0)
Summary: 1. For further details, please refer to the following page(s).	

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

刘楠



Ada Liu
Approved signatory



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TESTS AND RESULTS

Test Conducted:

GB 8624-2012 Fire classification for burning behavior of building materials and products.

Clause 5.1.1 Table 2 Classes of reaction to fire performance for slab building materials and construction products. And the test methods as following:

1. GB/T 20284-2006 Single burning item test for building materials and products.
2. GB/T 8626-2007 Test method of flammability for building materials.

Mounting and fixing (For GB/T 20284):

Test substrate was calcium silicate board meets the requirement of standard, the density of 900 kg/m³ and thickness of 10mm.

Specimen was installed on the substrate by screw. There was no joint between specimens. Specimen had a distance of at least 80mm from the backing board.

Test Results:

Test method	Parameter	Number of tests	Results
GB/T 20284-2006	FIGRA _{0.2MJ} (W/s)	3	34.3
	FIGRA _{0.4MJ} (W/s)		34.3
	LFS < edge of specimen		Yes
	THR _{600s} (MJ)		4.0
	SMOGRA (m ² /s ²)		7.1
	TSP _{600s} (m ²)		19.2
	Flaming particles or droplets within 600s (Yes/No); Combustion time, if any burning time: (≤10s / >10s)		No
GB/T 8626-2007 Exposure = 30 s	Fs ≤ 150 mm within 60s	12	Yes
	Ignition of the filter paper within 60s		No

Remark:

FIGRA-Fire growth rate index used for classification purposes [W/s]

For Class A2 and Class B FIGRA= FIGRA_{0.2MJ}

For Class C and Class D FIGRA= FIGRA_{0.4MJ}

LFS - Lateral flame spread [m]

THR_{600s} -Total heat release within 600 s [MJ]

SMOGRA-Smoke growth rate [m²/s²]

TSP_{600s} -Total smoke production within 600 s [m²]

Classification and direct field of application:

This classification has been carried out in accordance with GB 8624-2012 Clause 5.1.1 Table 2 Classes of reaction to fire performance for slab building materials and construction products

Conclusion:

According to the test result, Combustion properties identified as: GB 8624 B₁ (B-s1,d0) ;

The submitted sample satisfies Class B₁ requirement of reaction to fire performance for slab building materials and construction products in GB 8624-2012.



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Table 2 Classes of reaction to fire performance for slab building materials and construction products

Class		Test method(s)		Classification criteria
A	A1	GB/T 5464 ^a and		△ T≤30°C; △ m≤50%; t _r =0
		GB/T 14402		PCS≤2.0MJ/kg ^{a, b, c, e} ; PCS≤1.4MJ/m ² ^d
	A2	GB/T 5464 ^a or	and	△ T≤50°C; △ m≤50%; t _r ≤20 s
		GB/T 14402		PCS≤3.0MJ/kg ^{a, e} ; PCS≤4.0MJ/m ² ^{b, d}
		GB/T 20284		FIGRA _{0.2MJ} ≤120W/s; LFS< edge of specimen; THR _{600s} ≤7.5 MJ
B ₁	B	GB/T 20284 and		FIGRA _{0.2MJ} ≤120W/s; LFS< edge of specimen; THR _{600s} ≤7.5MJ
		GB/T 8626 Exposure =30s		Fs≤150mm within 60s; No ignition of paper within 60s
	C	GB/T 20284 and		FIGRA _{0.4MJ} ≤250W/s; LFS< edge of specimen; THR _{600s} ≤15MJ
		GB/T 8626 Exposure=30s		Fs≤150mm within 60 s; No ignition of paper within 60s
B ₂	D	GB/T 20284 and		FIGRA _{0.4MJ} ≤750W/s
		GB/T 8626 Exposure=30s		Fs≤150mm within 60 s; No ignition of paper within 60s
	E	GB/T 8626 Exposure =15s		Fs≤150mm within 20 s; No ignition of paper within 20s
B ₃	F	No performance determined		

^a For homogeneous products or substantial components of non-homogeneous products.

^b For any external non-substantial component of non-homogeneous products.

^c any external non-substantial component having a $\text{PCS} \leq 2.0 \text{ MJ/m}^2$, provided that the product satisfies the following criteria of $\text{FIGRA}_{0.2\text{MJ}} \leq 20 \text{ W/s}$, and $\text{LFS} < \text{edge of specimen}$, and $\text{THR}_{600\text{s}} \leq 4.0 \text{ MJ}$, and s1, and d0 can be defined A1.

^d For any internal non-substantial component of non-homogeneous products.

^e For the product as a whole.



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Table B.1 smoke production levels and grading criterion		
SMOGRA	Test Method	Requirement
s1	GB/T 20284	SMOGRA $\leq 30\text{m}^2/\text{s}^2$; TSP _{600s} $\leq 50\text{m}^2$
s2		SMOGRA $\leq 180\text{m}^2/\text{s}^2$; TSP _{600s} $\leq 200\text{m}^2$
s3		not s1 or s2

Table B.2 Burning droplets / particles grades and grading criterion		
Burning droplets / particles grades	Test Method	Requirement
d0	GB/T 20284	No flaming droplets/ particles within 600 s
d1		Flaming droplets/ particles persisting longer than 10 s within 600 s
d2		not d0 or d1

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.

Warning:

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



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SAMPLE INFORMATION AND PICTURES

Thickness: 5.2mm
Density: 1.74kg/m²
★Product usage: Interior decoration

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Before Test for GB/T 20284



After Test for GB/T 20284

Remark: The report is English version of Chinese test report SDFS2209005860FF_CN. The Chinese version shall prevail in case of discrepancy between the Chinese version and English version.

End of Report



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