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TESTING
CNAS L7877

Test Report

No. SDFS2110006755FF-01

Date: Nov.10, 2021 Page 1 of 7

GUANGZHOU RUIBO VINYL MATERIAL CO.,LTD
3NO.1-2,E DISTRICT,5 FLOOR,JIANFA PLAZA,NO.111 JICHANG ROAD,BAIYUN DISTRICT,GUANGZHOU

Sample Description : PINGER CURTAIN

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SGS Ref No. : SDHL2110019469OT
Sample Receiving Date : Oct.26, 2021
Test Performing Date : Oct.26, 2021 to Nov.05, 2021

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: A (A2-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.

Irvette Zhang
Approved signatory



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TESTS AND RESULTS

Test Conducted:

GB 8624-2012 Fire classification for polyester behavior of polyester materials and products
 Clause 5.1.1 Table 2 Classes of reaction to fire performance for slab polyester materials and construction products. And the test methods as following:

1. GB/T 14402-2007 Reaction to fire tests for products-Determination of the gross heat of combustion. (Calorific Value)
2. GB/T 20284-2006 Single polyester item test for polyester materials and products.

Mounting and fixing (For GB/T 20284):

The specimen was tested free standing. Both wings were clamped at the top and the bottom.

Test Results:

Test method	Parameter	Number of tests	Results
GB/T 14402-2007	The product as a whole ^e : -PCS (MJ/kg)	3	1.0
	Non-combustible core material ^a : -PCS (MJ/kg)		1.0
	Surface bochun color facing ^b : -PCS (MJ/m ²)		0
GB/T 20284-2006	FIGRA _{0.2MJ} (W/s)	3	0.0
	FIGRA _{0.4MJ} (W/s)		0.0
	LFS < edge of specimen		Yes
	THR _{600s} (MJ)		0.6
	SMOGRA (m ² /s ²)		2.4
	TSP _{600s} (m ²)		8.7
	Flaming particles or droplets within 600s (Yes/No); Combustion time, if any burning time: (≤10s / >10s)		No

Remark:

PCS-gross heat of combustion [MJ/kg or MJ/m²]

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]

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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 polyester materials

Conclusion:

According to the test result, Combustion properties identified as: GB 8624 A (A2-s1,d0) ;

The submitted sample satisfies Class A requirement of combustion performance of flat building materials and products in GB 8624-2012.



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Table 2-Classification criteria of combustion performance of flat polyester materials and products

Class		Test method(s)		Classification criteria
A	A1	GB/T 5464 ^a and		$\Delta T \leq 30^{\circ}\text{C}$; $\Delta m \leq 50\%$; $t_f = 0$
				GB/T 14402
	A2	GB/T 5464 ^a or	and	$\Delta T \leq 50^{\circ}\text{C}$; $\Delta m \leq 50\%$; $t_f \leq 20 \text{ s}$
				GB/T 14402
		GB/T 20284		$\text{FIGRA}_{0.2\text{MJ}} \leq 120 \text{ W/s}$; $\text{LFS} < \text{edge of specimen}$; $\text{THR}_{600\text{s}} \leq 7.5 \text{ MJ}$
B ₁	B	GB/T 20284 and		$\text{FIGRA}_{0.2\text{MJ}} \leq 120 \text{ W/s}$; $\text{LFS} < \text{edge of specimen}$; $\text{THR}_{600\text{s}} \leq 7.5 \text{ MJ}$
				GB/T 8626 Exposure =30s
	C	GB/T 20284 and		$\text{FIGRA}_{0.4\text{MJ}} \leq 250 \text{ W/s}$; $\text{LFS} < \text{edge of specimen}$; $\text{THR}_{600\text{s}} \leq 15 \text{ MJ}$
				GB/T 8626 Exposure=30s
B ₂	D	GB/T 20284 and		$\text{FIGRA}_{0.4\text{MJ}} \leq 750 \text{ W/s}$
				GB/T 8626 Exposure=30s
	E	GB/T 8626 Exposure =15s	$F_s \leq 150 \text{ mm}$ 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 $\leq 30m^2/s^2$; TSP _{600s} $\leq 50m^2$
s2		SMOGRA $\leq 180m^2/s^2$; TSP _{600s} $\leq 200m^2$
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

- ★Material: 100%polyester fabric
- ★Weight: 190g/m2-300g/m2
- ★Height: 0-3.2m
- ★Mesh: 50-75cm
- ★Product usage: Curtain

The above data and information with ★ 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.



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2. This test report is issued based on the modification of the original No. SDFS2110006755FF test report issued on Nov.05, 2021. And the original test reports (paper and electronic) are invalid. According to applicant's requirements, following changes are included:
 - a. Delete the buyer.
 - b. Delete the buyer address.

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