

TOPFLOR PLASTICS NANTONG CO., LTD.

TEST REPORT

SCOPE OF WORK

HOMOGENEOUS VINYL

REPORT NUMBER

191203011SHF-001

TEST DATE(S)

2019-12-03 - 2019-12-31

ISSUE DATE

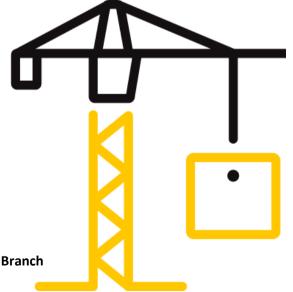
2019-12-31

PAGES

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DOCUMENT CONTROL NUMBER

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Test Report

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Test Report

Issue Date: 2019-12-31 Intertek Report No. 191203011SHF-001

Applicant: TOPFLOR PLASTICS NANTONG CO., LTD.

Address: No.10 Tao Yuan Road, Nantong Jiangsu, P.R.China

Attn: Alan

Test Type: Performance test, samples provided by the applicant.

Product Information

Product Name	ŀ	HOMOGENEOUS VINYL	Brand	/
Sample		Good Condition	Sample Amount 1 roll	
Description		Good Condition	Received Date	
Sample ID		Model	Specification	
S191203011SHF.010		TOPFLOR	2m x 20m	

Test Methods And Standards

	Test Standard	EN ISO 9239-1:2010 and EN ISO 11925-2:2010				
	Specification Standard	EN 13501-1:2018				
Test Conclusion The samples were tested according to the above standards, and the results are show following page.		The samples were tested according to the above standards, and the results are shown in the following page.				

Note:

Report Authorized

Name: Sally Xi

Title: Reviewer

Version: 1 May 2019

Jackie Zhou roject Engineer

Name

2hou

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^{1.} This report relates specifically to the sample(s) that were drawn and provided by the applicant or their nominated third party. The reported result(s) provide no warranty or verification on the sample(s) representing any specific goods and/or shipment and only relate to the sample(s) as received and tested.



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Test Items, Method and Results:

EN 13501-1:2018 Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests

1.1 CRITICAL HEAT FLUX TEST

The test was conducted in accordance with EN ISO 9239-1. This test evaluates the wind-opposed burning behaviour and spread of flame of horizontally mounted floorings exposed to a heat flux radiant gradient in a test chamber, when ignited with pilot flames.

1.2 IGNITABILITY TEST

The test was conducted in accordance with EN ISO 11925-2. This test evaluates the ignitability of a product under exposure to a small flame.

1.3 CLASSIFICATION CRITERIA

The classification was determined in accordance with EN 13501-1:2018. The class B_{fl} with its corresponding fire performance is given in the table below.

	Table - Classes of reaction to fire performance for floo			
200	Tost Mothod(s)	Classification critoria	۸dditio	

Class Test Method(s)		Classification criteria	Additional classifications	
	EN ISO 9239-1 ^a and	Critical flux ^b ≥ 8.0 kW/m ²	Smoke production ^c	
B _{fl}	EN ISO 11925-2 ^d Exposure = 15 s	$F_S \le 150 \text{ mm within } 20 \text{ s}$	-	

Note:

- a. Test duration = 30 min.
- b. Critical flux is defined as the radiant flux at which the flame extinguishes or the radiant flux after a test period of 30 min, whichever is the lower (i.e. the flux corresponding with the furthest extent of spread of flame within 30 min). c. $s1 = Smoke \le 750 \%$ minutes; s2 = not s1.
- d. Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack.



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Test Items, Method and Results:

2 RESULTS AND OBSERATIONS

Method	Parameter	Result
EN ISO 9239-1:2010	Critical flux (transverse), kW/m ²	≥11.0
	Critical flux (longitudinal), kW/m²	≥11.0
	Smoke production, % minutes	611
EN ISO 11925-2:2010 Exposure = 15 s	$F_S \le 150 \text{ mm within } 20 \text{ s}$	Yes

3 CLASSIFICATION

The classification has been carried out in accordance with EN 13501-1.

Fire behaviour		Smoke production	
B_{fl}	-	S	1

Reaction to fire classification: B_{fl} -s1



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Test Items, Method and Results:

4 Test Photos of EN ISO 9239-1



Before test



After test



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Appendix A: Sample Received Photo



Revision:

NO.	Date	Changes	Author	Reviewer
191203011SHF-001	2019-12-31	First issue	Jackie Zhou	Sally Xie