

TEST REPORT

No. : SHIN1903012926PS

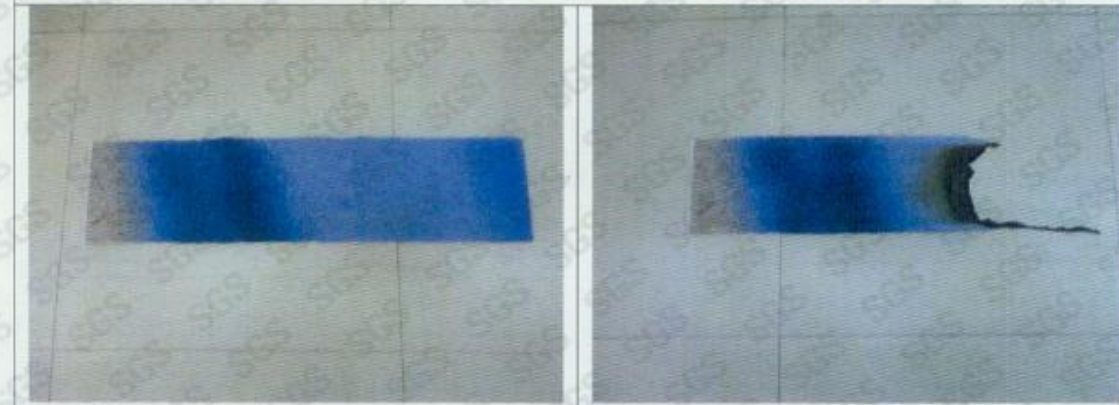
Date : Mar 21, 2019

Page: 4 of 8

Test Photo:



During test



Before test- Direction 1

After test-Direction 1

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Testing Center (Shanghai) Branch

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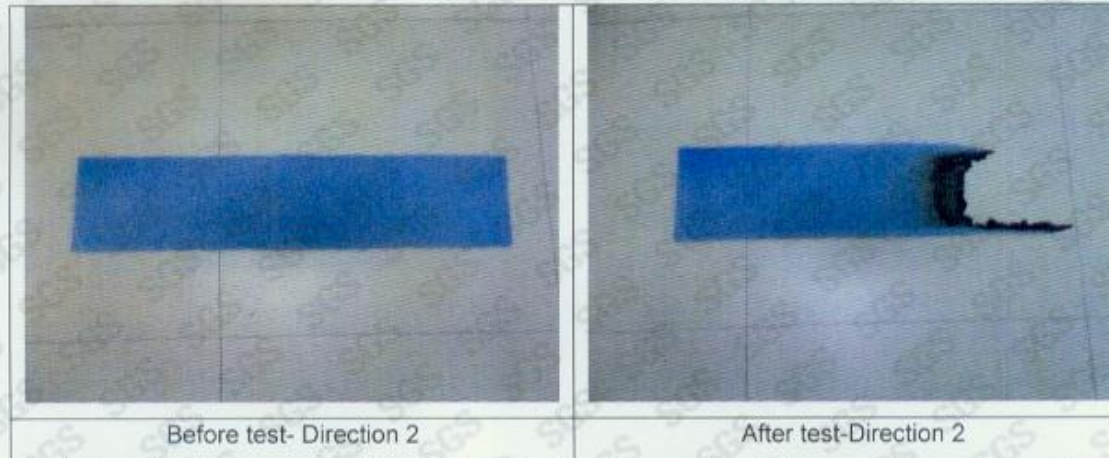
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TEST REPORT

No. : SHIN1903012926PS

Date : Mar 21, 2019

Page: 5 of 8



This test method was carried out by SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch.

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SHML 682982

TEST REPORT

No. : SHIN1903012926PS

Date : Mar 21, 2019

Page: 6 of 8

2. Test Item:

ASTM E662-2018 Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.

I. Test conducted

This test was conducted according to ASTM E662-2018 Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.

II. Sample details

Sample description	Nylon Jet Printed Carpet
Color / Thickness	Blue / About 8.9mm
Dimension	75mm×75mm
Condition prior to testing	Prior to testing, the submitted sample was dried for 48 h at 60±3°C and then 23±3°C and RH 50±5% till constant weight
Irradiance Exposure	2.50±0.05 W/cm ²
Test face	Blue surface

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TEST REPORT

No. : SHIN1903012926PS

Date : Mar 21, 2019

Page: 7 of 8

III. Test results

1) Flaming mode

	Test Specimen			Flaming dripping or flaming running	Average
	#1	#2	#3		
Temperature of chamber wall (°C)	40	40	40	NO	
$D_{S,1.5}$	3.6	3.0	4.1		3.6
$D_{S,4.0}$	133.5	125.4	140.3		133.1
D_m	150.7	142.8	157.6		150.4
t_{D_m} (min)	6.9	7.4	7.0		
$Dm(corr)$	150.7	142.8	157.6		150.4
Observations	Color of the smoke: Grey				

2) Non - Flaming mode

	Test Specimen			Flaming dripping or flaming running	Average
	#1	#2	#3		
Temperature of chamber wall (°C)	40	40	40	NO	
$D_{S,1.5}$	0.5	0.2	0.4		0.4
$D_{S,4.0}$	55.7	50.1	61.8		55.9
D_m	297.1	276.3	281.4		284.9
t_{D_m} (min)	11.5	12.0	11.9		
$Dm(corr)$	234.6	218.4	221.7		224.9
Observations	Color of the smoke: White				

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Testing Center (China) (Shanghai)

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TEST REPORT

No. : SHIN1903012926PS

Date : Mar 21, 2019

Page: 8 of 8

Note:

Ds1.5 — Specific optical density at 1.5 minutes;

Ds4.0 — Specific optical density at 4.0 minutes;

Dm — Maximum Specific optical density at any time during the 20 minutes;

t Dm— The time in minutes for the smoke to accumulate to the maximum specific optical density;

Dm(corr) —Dm corrected for incidental deposits on the optical surface.

STATEMENTS:

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.

The test results relate only to the specimens of the product in the form in which were tested. Small differences in the composition or thickness of the product may significantly affect the performance during the test and may therefore invalidate the test results. Care should be taken to ensure that any product, which is supplied or used, is fully represented by the specimens, which were tested.

Test Photo:



This test method was carried out by SGS-CSTC Standards Technical Services Co., Ltd. AnJI Branch.

***** End of report*****

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Testing Center (Shanghai) Branch

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中国·上海·浦东康桥东路1159弄69号

t(86-21)61196300
f(86-21)61196300

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TEST REPORT

No. : SHIN1903012926PS

Date : Mar 21, 2019

Page: 1 of 8



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CUSTOMER NAME: NANTONG HOMEDEC WEIYA CARPET CO., LTD
ADDRESS: #16 XIN XING RD NETDA NANTONG, CHINA

Sample Name : nylon jet printed carpet

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Date of Receipt : Mar 07, 2019
Testing Start Date : Mar 07, 2019
Testing End Date : Mar 21, 2019
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Service (Shanghai) Co., Ltd.

Jane Deng
Authorized signatory



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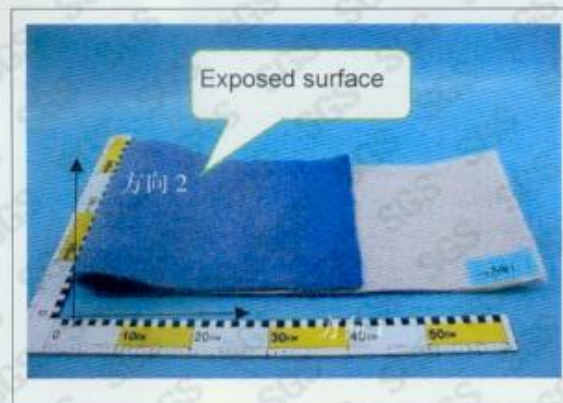
TEST REPORT

No. : SHIN1903012926PS

Date : Mar 21, 2019

Page: 2 of 8

Original Sample Photo:



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TEST REPORT

No. : SHIN1903012926PS

Date : Mar 21, 2019

Page: 3 of 8

1. Test Item: Determination of the burning behavior using a radiant heat source

Sample Description: See photo

Test Method: ASTM E648-17a

Test Condition:

Specimen: 1050mm×230mm×8.1mm

Flame application time: 5min

Test Result:

Direction 1:

Specimen No.	Furthest extent of spread of flame, mm	Critical heat flux (CHF), W/cm ²
1	350	0.615
2	392	0.538
3	370	0.578
Average	371	0.58

Direction 2:

Specimen No.	Furthest extent of spread of flame, mm	Critical heat flux (CHF), W/cm ²
1	330	0.651
2	300	0.708
3	460	0.431
Average	363	0.60

Note:

- 1) Test specimens were cut from the sample.
- 2) Observation: melting.

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