

SGS



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检测
TESTING
CNAS L4743

Test Report

No. AJFS2102001298FF

Date: MAR.23, 2021

Page 1 of 6

ZHEJIANG MSD GROUP SHARE CO., LTD.

NO.11, HONGQI ROAD, WARP KNITTING INDUSTRIAL PARK OF HAINING, JIAXING, ZHEJIANG.

This test report is a translation of report No. AJFS2102001298FF_CN. If any dispute or misunderstanding happens, the Chinese version prevails.

The following sample(s) 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 arising therefrom. Results apply to the sample as received.

Sample Description: NANOMETER ART WALL CLOTH

Style/Item No.: /

Test Requested:

GB 8624-2012 Classification for burning behavior of building materials and products, Flat building materials and products, class B

Test Results: -- See attached sheet --

Test Period:

Sample Receiving Date : MAR.10, 2021

Test Performing Date : MAR.10, 2021 TO MAR.19, 2021

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

Allen Zou
Lab Manager

scan to see the report



AJFS2102001298FF



SGS-CSTC
Anji Branch File Technology Service

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I. Test conduct:

This test is conducted as per GB 8624-2012 classification for burning behavior of building materials and 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.

II. Details of classified product

a) Nature and end use application

The product "Nanometer Art Wall Cloth" is defined as building material. In the end the product is applied to wall cloth.

b) Description

Sample description / Color	Nanometer Art Wall Cloth / White
Mass per unit area	312 g/m ²
Exposed surface	Any side
Specimens Size	GB/T 20284:1500x1000mm & 1500x495mm GB/T 8626:250x90mm

Mounting and fixing (GB/T 20284):

Calcium silicate board, with its density approximate 900kg/m³, thickness approximate 9mm, is as the substrate. The test specimens are fixed mechanically to the substrate. No joint in the long wings of the specimen.

III. Test result

Test method	Parameter	Number of tests	Results
GB/T 20284	FIGRA _{0.2MJ} (W/s)	3	102.8
	FIGRA _{0.4MJ} (W/s)		69.9
	Whether lateral flame spread (LFS) to the edge of specimen (Yes/No)		No
	THR _{600s} (MJ)		0.8
	SMOGR(m ² /s ²)		25.3
	TSP _{600s} (m ²)		39.7
	Flaming particles or droplets (Yes/No)		No
GB/T 8626 Exposure = 30 s	Whether vertical flame spread in excess of 150 mm within 60s (Yes/No)	6	No
	Ignition of the filter paper (Yes/No)		No

To be continued....



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Remark:

FIGRA	Maximum of the quotient of heat release rate from the specimen and the time of its occurrence using a THR-threshold of 0.2 MJ/0.4MJ.
THR _{600s}	Total heat release from the specimen in the first 600 s of exposure to the main (primary) burner flames.
SMOGRA:	Maximum of the quotient of smoke production rate from the specimen and the time of its occurrence.
TSP _{600s} :	Total smoke production from the specimen in the first 600 s of exposure to the main (primary) burner flames.

IV. Classification and direct field of application

This classification has been carried out in accordance with GB 8624-2012 chapter 5.1.1, the classes with their corresponding fire performance are given in annex A.

a) Classification

The product, Nanometer Art Wall Cloth, classification is as following:

B

Reaction to fire classification: GB 8624 B₁ (B- s1, d0)b) Field of application

This classification for the submitted sample as described in §II, is valid for the following end use condition:

- With all substrates classified A1 or A2
- Fix mechanically.
- No joint

Characteristics of the various layers identical to those as described in section II of this test report.

STATEMENT:

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.

To be continued....



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WARNING:

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

The test laboratory has, therefore, play no part in sampling the product for the test, although it holds appropriate references to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.

Annex A

Classes and Classification criteria of reaction to fire performance for Flat building materials and products

Class	Test method(s)	Classification criteria
A	GB/T 5464 ^a and	$\Delta T \leq 30$ °C, and $\Delta m \leq 50$ %, and $t_f = 0$ (i.e. no sustained flaming)
		$PCS \leq 2.0$ MJ/kg ^{a,b,c,e} and $PCS \leq 1.4$ MJ/m ² ^d
	GB/T 5464 ^a or	$\Delta T \leq 50$ °C, and $\Delta m \leq 50$ %, and $t_f \leq 20$ s
		$PCS \leq 3.0$ MJ/kg ^{a,e} and $PCS \leq 4.0$ MJ/m ² ^{b,d}
	GB/T 14402	$FIGRA_{0.2MJ} \leq 120$ W/s and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 7.5$ MJ
		$FIGRA_{0.2MJ} \leq 120$ W/s and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 7.5$ MJ
B ₁	GB/T 20284 and	$FIGRA_{0.2MJ} \leq 120$ W/s and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 7.5$ MJ
		$F_s \leq 150$ mm within 60 s no flaming droplets ignition of the paper within 60s
	GB/T 20284 and	$FIGRA_{0.4MJ} \leq 250$ W/s $LFS < \text{edge of specimen}$ $THR_{600s} \leq 15$ MJ
		$F_s \leq 150$ mm within 60 s no flaming droplets ignition of the paper within 60s
B ₂	GB/T 20284 and	$FIGRA_{0.4MJ} \leq 750$ W/s
		$F_s \leq 150$ mm within 60 s no flaming droplets ignition of the paper within 60s
	GB/T 8626 Exposure = 30s	$F_s \leq 150$ mm within 20 s no flaming droplets ignition of the paper within 60s
B ₃	F	No performance determined

To be continued....



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- a: For homogeneous products and substantial components of non-homogeneous products;
 b: For any external non-substantial component of non-homogeneous products;
 c: Alternatively, any external non-substantial component having a $PCS \leq 2,0 \text{ MJ/m}^2$, if the product satisfies the following criteria: $FIGRA_{0.2\text{MJ}} \leq 20 \text{ W/s}$, and $LFS < \text{edge of specimen}$, and $THR_{600s} \leq 4.0 \text{ MJ}$, and s_1 , and d_0 , it will be A_1
 d: For any internal non-substantial component of non-homogeneous products;
 e: For the product as a whole;

Characteristics of smoke production classification and Classification criteria

Characteristics of smoke production classification	Test method	Classification criteria	
s1	GB/T 20284	Building materials and products Except for flooring and linear pipe thermal insulation product	$SMOGRA \leq 30 \text{ m}^2/\text{s}^2$ $TSP \leq 50 \text{ m}^2$
s2		Building materials and products Except for flooring and linear pipe thermal insulation product	$SMOGRA \leq 180 \text{ m}^2/\text{s}^2$ $TSP \leq 200 \text{ m}^2$
s3	Not s2		

Flaming droplets/ particles and Classification criteria

Flaming droplets/ particles	Test method	Classification criteria
d0	GB/T 20284	No flaming droplets/ particles within 600 s;
d1		No flaming droplets/ particles persisting longer than 10 s within 600 s;
d2		Not d1

To be continued....



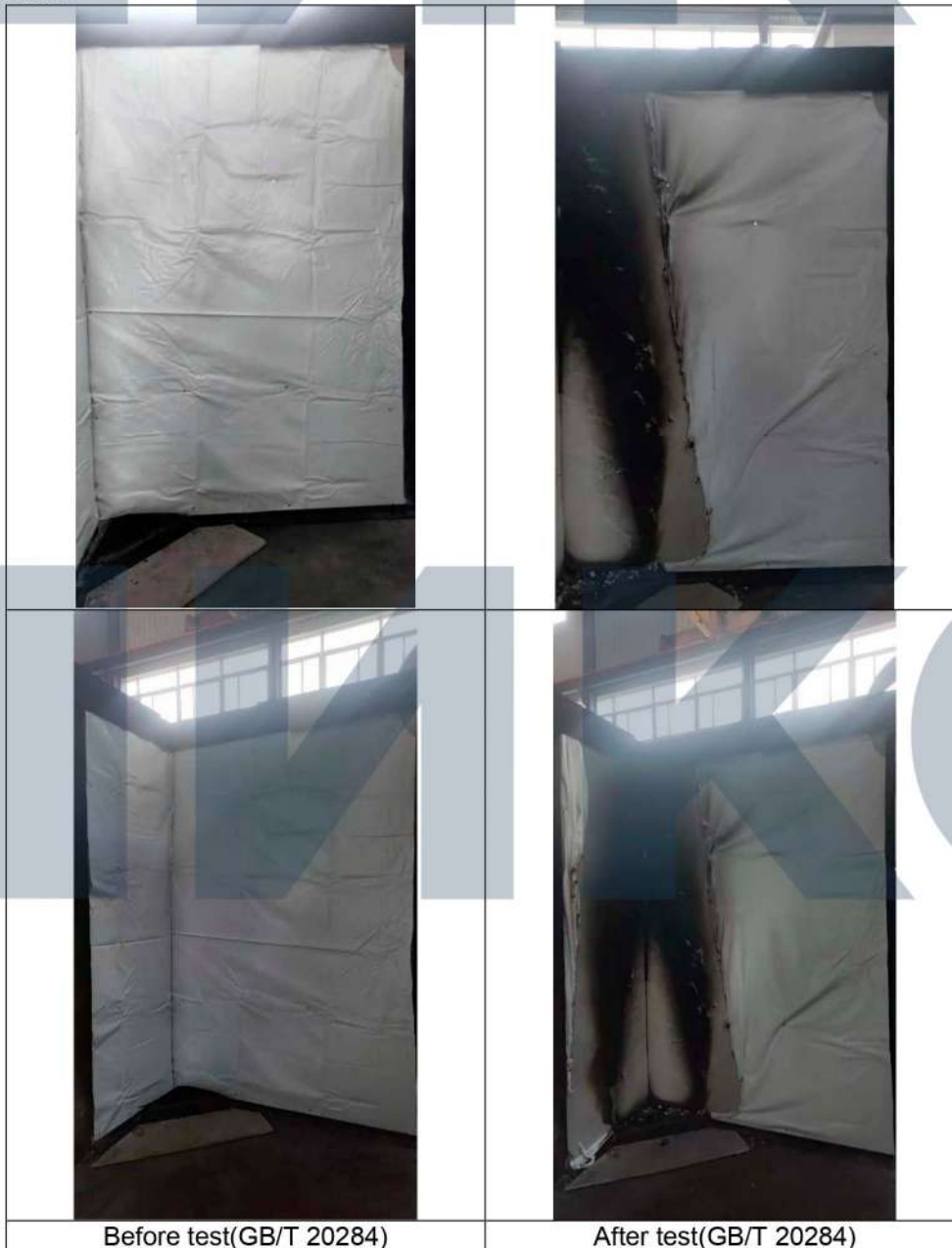
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Photo Appendix:



Before test(GB/T 20284)

After test(GB/T 20284)

SGS authenticate the photo on original report only

End of Report



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