NANTONG MACHS COMPOSITE MATERIAL CO., LTD

TEST REPORT

SCOPE OF WORK
FRP GRATING 7035

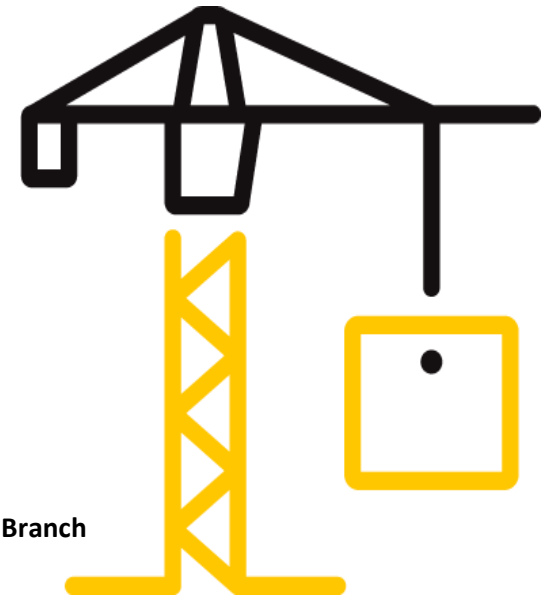
REPORT NUMBER
210624007SHF-006

TEST DATE(S)
2021-06-24 - 2021-07-14

ISSUE DATE
2021-07-14

PAGES
5

DOCUMENT CONTROL NUMBER
LFT-APAC-SHF-OP-10k(May 1, 2021)
© 2021 INTERTEK



Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch

Test Report

Statement

1.This report is invalid without company's special seal for testing on assigned page.

2.This report is invalid without authorized person's signature.

3.This report is invalid where any unauthorized modification indicated.

4.Don't copy this report in partial (except full copy) without any official approval in written by our company. This report is invalid without re-stamping the special seal for testing in copying report.

5.Any holder of this document is advised that this report is for the exclusive use of Intertek's Customer and is provided pursuant to the agreement between Intertek and its Customer. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. This report was made with due care within the limitation of a defined scope of work and on the basis of information, materials and instructions received from the Customer or its nominated third parties. Intertek is under no obligation to refer to or report upon any facts or circumstances which are outside the specific instructions received and accepts no responsibility to any parties whatsoever, following the issue of the report, for any matters arising outside the agreed scope of the works. The tests results are not intended to be a recommendation for any particular course of action. Customer is responsible for acting as it sees fit on the basis of such results.

6.Intertek's written consent is required to use Intertek's name or logo on the object, product or service being tested. The observations and test results in this report relate only to the sample under test. This report alone does not indicate that the item, product or service has passed any Intertek certification program.

7.The report was digital signed by Shang Hai, Intertek Group plc, please using Adobe Acrobat Reader to verify the authenticity.

Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch
Plant 5, No. 6958 Daye Road, Fengxian District, Shanghai, China
Tel: 021-61136116 Fax: 021-61189921
Website: www.intertek.com

Test Report

Issue Date: 2021-07-14 Intertek Report No. 210624007SHF-006

Applicant: NANTONG MACHS COMPOSITE MATERIAL CO., LTD

Address: NO.288,HUANGHAI ROAD NANTONG

Attn: Jianhua Yang

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

Product Information

Product Name	FRP GRATING 7035	**Brand**	Mach's
Sample Description	Good Condition	**Sample Amount**	4 pcs
		Received Date	2021-06-22

Sample ID	**Model**	**Specification**
S210624007SHF.006	38s38 38/p5 Ve/iso	600 X 7000

Test Methods And Standards

Test Standard	ASTM E84-21 Standard Test Method for Surface Burning Characteristics of Building Materials
Specification Standard	/
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

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.

Report Authorized

Harrison Li Jay Gong

Name: Harrison Li Name: Jay Gong

Title: Reviewer Title: Project Engineer

Test Report

Issue Date: 2021-07-14 Intertek Report No. 210624007SHF-006

Test Items, Method and Results:

Test Method: ASTM E84-21 Standard Test Method for Surface Burning Characteristics of Building Materials

Specimen Mounting Method:

The 23.95-ft. long test specimen consisted of four 5.99-ft. long x 23.62-in. wide x 1.33-in. thick "FRP GRATING 7035".

The smooth surface was exposed to the fire.

The specimen was self-supported.

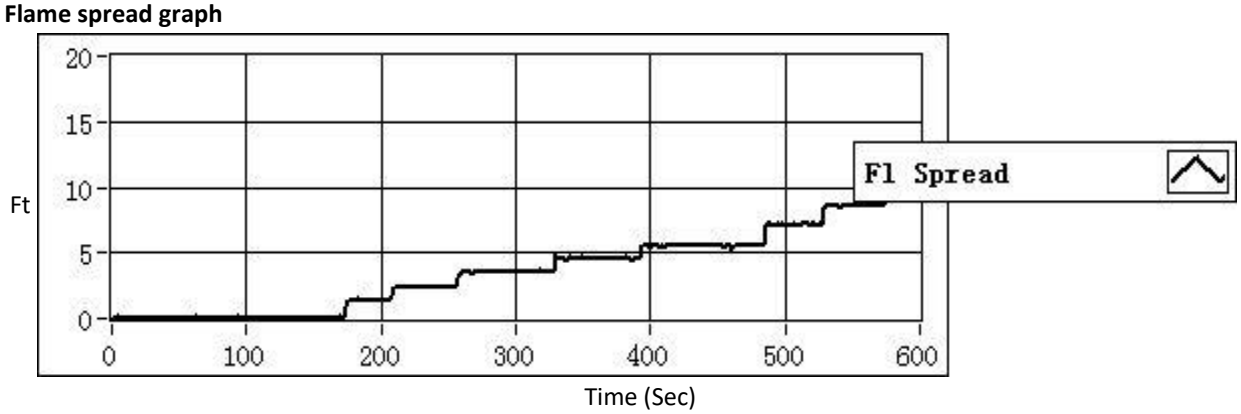
Test Observation (min:sec)

Melting	Blistering	Transient Ignition	Steady Ignition	Flaming drops
/	/	2:12	2:40	/
Delamination	Sagging	Shrinkage	Cracking	Floor Flames
/	/	/	/	/

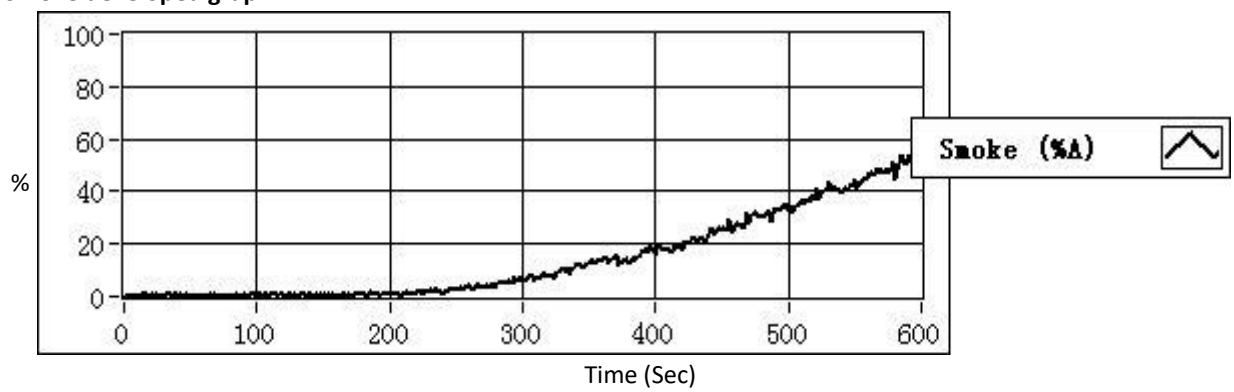
Test Result

Flame Spread Index (FSI)	20	Smoke Developed Index(SDI)	195

Flame spread graph



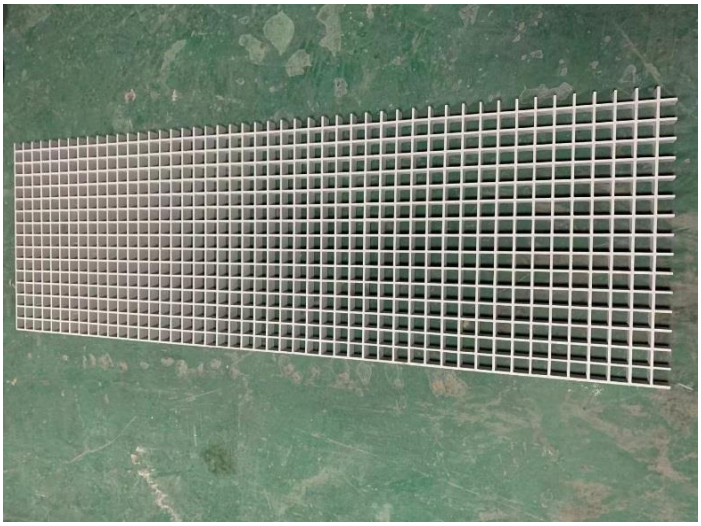
Smoke developed graph



Test Report

Issue Date: 2021-07-14 Intertek Report No. 210624007SHF-006

Appendix A: Sample Received Photo



Revision:

NO.	Date	Changes
210624007SHF-006	2021-07-14	First issue