TEST REPORT

No. : SHCCM150702189
Date : Jul. 24, 2015

NANTONG MACHS COMPOSITE MATERIAL CO., LTD.
HUANGHAI ROAD 288 NANTONG JIANGSU PROVINCE, CHINA

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name	:	FRP GRATING
Sample Number	:	SHCCM150702189
SGS Reference No.	:	NM150701235
Test Required	:	Please see the next page(s)
Test Method	:	Offered by client
Product Specification	:	38X38X38 998X2026
Manufacturer	:	MACHS
Material and Mark	:	ISO
Date of Receipt	:	Jul. 14, 2015
Test Period	:	Jul. 14, 2015 to Jul. 24, 2015
Test result(s)	:	For further details, please refer to the following page(s)

******** To be continued********

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

Tiffany Liu
Authorized signatory

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Sample dimension：2024mm x1000mm x38mm(length x width x thickness)

Test method (offered by client):

Concentrated load test

1. Place the sample on two support beam of which support width is 100mm as per client's requirement, the test span is 1220mm;
2. Apply a concentrated load at a rate of 2500N/min to the center of the sample through a load plate till 5kN, the load plate area is 500mm×500mm;
3. During the load test, record the deflection of the center for every 1kN.

Uniformly distributed load test

1. Place the sample on two support beam of which support width is 100mm as per client's requirement, the test span is 1220mm;
2. Apply a uniformly distributed load on the sample at a rate of 2500N/min till 5kN;
3. During the load test, record the deflection of the center for every 1kN.

Test result:

Concentrated load test

Test load(kN)	Deflection(mm)
1	5.02
2	8.42
3	11.28
4	14.13
5	17.06

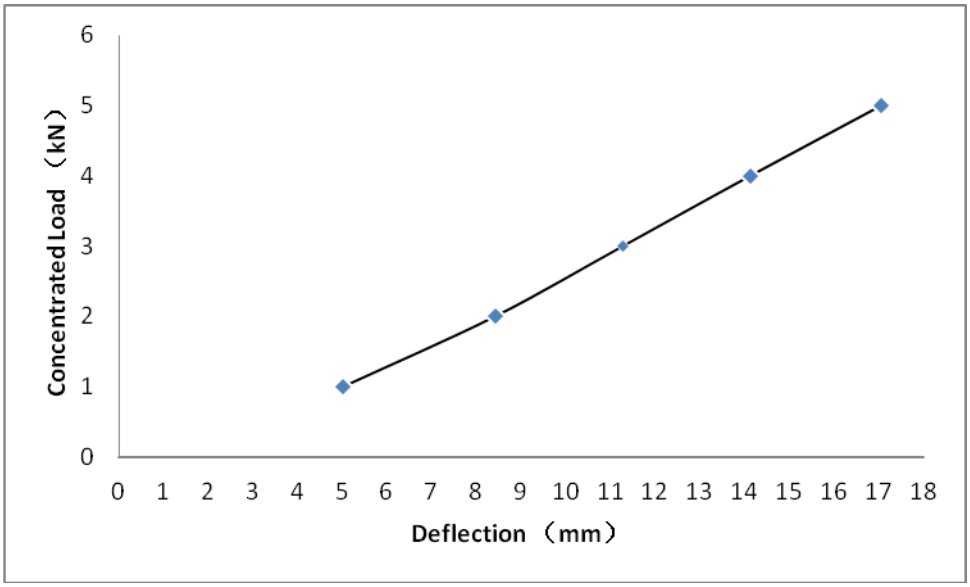
******** To be continued********

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Concentrated load-deflection curve

Uniformly distributed load test

Uniformly distributed load(kN)	Deflection(mm)
1	2.87
2	3.77
3	5.12
4	6.45
5	7.69

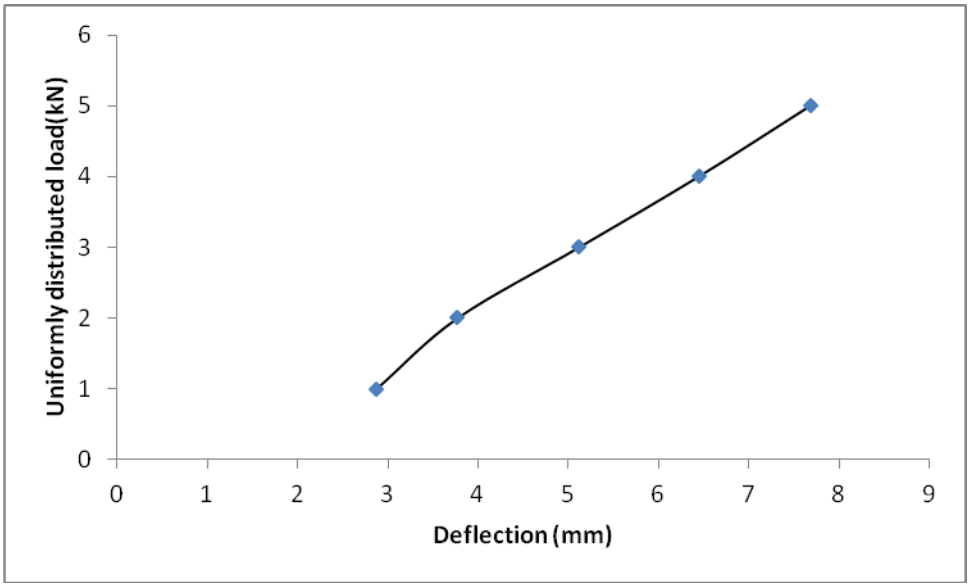
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Uniformly distributed load-deflection curve

Statement: Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Sample photo:



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

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