

TEST REPORT

No. : GZCCM140500496

Date : Jun. 12, 2014

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

Sample Name : RUBBER FLOORING
Material : Recycled SBR rubber and EPDM, PU
SGS Ref. No. : SDHG1405006618FB
Manufacturer :
Test Performed : Selected test(s) as requested by applicant
Date of Receipt : May. 9, 2014
Test Period : May. 12, 2014 to May. 21, 2014

Test result(s) : Please refer to the following page(s)

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

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co.,Ltd
Guangzhou Branch



Chandler Wu
Technical Engineer



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Test Information:

I. Test conducted

This test was conducted according to NF P 92-507:2004 Fire safety-building-interior fitting materials – Classification according to their reaction. And the test methods as following:

NF P 92-501:1995 Safety against fire – Building materials – Reaction to fire tests – Radiation test used for rigid materials, or for materials on rigid substrates (flooring and finishes) of all thicknesses, and for flexible materials thicker than 5 mm

II. Details of classified product

The details of the tested specimen given below have been prepared from information provided by the sponsor of the test. All values quoted are nominal, unless tolerances are given.

Sample description	RUBBER FLOORING
Thickness*	5.2 mm
Area density*	5.5 kg/m ²
Tested surface	Any surface

*---Measured by the laboratory

III. Conditioning

Prior to testing, the sample was conditioned, In an atmosphere having a temperature of 23±2°C and a relative humidity of 50±5% until constant mass is obtained. The mass is considered as constant when two successive weightings 24 hours apart do not differ by more than 0.1% or 0.1 g (take the highest mass value).

IV. Test results

NF P 92-501:1995 Test by Radiation(see note 2)

---	Specimen 1	Specimen 2	Specimen 3	Specimen 4	AVE
Time of ignited exposed face (t _{i1}) (seconds)	300	261	317	296	
Sum of the height of the flame Σh (cm)	547	562	516	592	

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



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---	Specimen 1	Specimen 2	Specimen 3	Specimen 4	AVE
Sum of the duration of flaming combustion, ΔT	921	1052	954	972	
$q = \frac{100 \sum h}{t_i \sqrt{\Delta T}}$	6.0	6.3	5.3	6.5	6.0
Flaming molten droplets (Yes/No)	No	No	No	No	
Non-flaming molten droplets (Yes/No)	No	No	No	No	
Burn through (Yes/No)	Yes	Yes	Yes	Yes	

Note: 1. t_1 : Time for the test piece to ignite on exposed face after it has been placed in the cabinet;

t_2 : Time for the test piece to ignite on the unexposed face after it has been placed in the cabinet;

t_i : Time for the test piece to ignite after it has been placed in the cabinet;

$\sum h$: Is the sum of the maximum height of the flames (h) reached in every 30 second period (in centimeters) during each test;

ΔT : The total duration of flaming combustion above the top of the radiator (it is calculated whether either one or both faces of the specimen flame);

q: Is the classification index obtained from the data derived from each test.

DNI: Did not ignite

2. The above test was carried out by a SGS internal laboratory.

Statement:

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.

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



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Annex I Requirements

Table 2 Resume of classification for the rigid materials and flexible materials which thickness more than 5mm

Radiation Test ^{c)}		Flame Spread		PCS	
		Requirement	<2 mm/s	>2 mm/s	<2.5 MJ/kg
No Effective Inflammation	M0			M0 ^{a)}	M1
q<2.5 ^{b)}	M1				
q<15	M2				
q<50	M3				
q ≥50		M4	NC		

^{a)} For the classification M0 of multilayer materials and painted inert materials, refer to clause 3.3.2, 3.3.3, 3.3.4 and appendix C.

^{b)} The meanings of the index q refer to clause 3.2.3.4 of NF P 92-507:2004.

^{c)} If the materials presented a particular behaviour, the classification also needs to refer to Table 3.

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



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Table 4 Resume of classification for floorings

<u>Hot plate test</u>		<u>Radiation Test</u>	Classification
The average burn length (mm)	The average length of the first minute burn (mm)		
		Index q (See table 2)	M1 or M2 Be based on radiant test
≤300			M3
>300	≤ 100		M4
>300	> 100		Not classified

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



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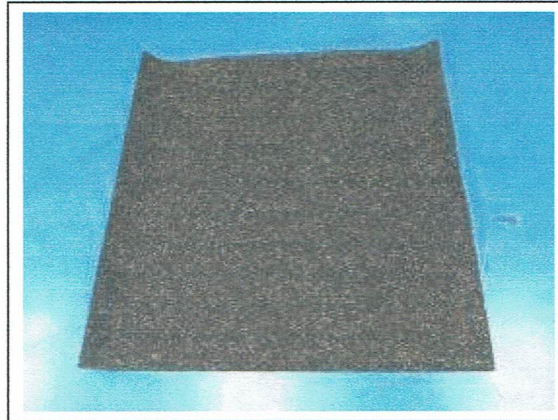
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*****End of report*****



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