

Test Report No. AJFS1705002282FF Date: MAY.12, 2017 Page 1 of 6

YANRE FITNESS LIMITED

415, Mingyue Building, No. 500 GuShan Road, Pudong New Area, Shanghai

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

Sample Description: GYM RUBBER MAT 100X100X1.5CM

SGS Ref No.: SHHL1705022143FB
Supplier: YANRE FITNESS LIMITED

Country of Origin: CHINA

Test Requested:

EN ISO 9239-1:2010 Reaction to fire tests for floorings —Part 1: Determination of the burning behaviour using a radiant heat source

Test Results: -- See attached sheet --

Test Period:

Sample Receiving Date : MAY.02, 2017

Test Performing Date : MAY.02, 2017 TO MAY.10, 2017

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

Allen Zou

Technical Manager





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I. Test conducted

This test is conducted as per EN ISO 9239-1:2010 Reaction to fire tests for floorings —Part 1: Determination of the burning behaviour using a radiant heat source.

II. Sample details

Name	GYM RUBBER MAT
Color	Grey
Thickness	About 15.4 mm
Area Density	About 13.5 kg/m ²
Specimen size	Length: 1050mmWidth: 230mm

III. Conditioning

Prior to testing, the sample was conditioned,

T: 23 \pm 2°C H: 50 \pm 5%, Test specimens shall be conditioned at least 48 h before testing, until constant mass is achieved.

Mounting of Test Assembly:

Fire cement board, with its density approximate 1800kg/m³, thickness 9mm, is as the substrate. The test specimens are fixed mechanically to the substrate. A joint situated at 250mm from the zero point.

To be continued....



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IV. Test results

Dictorco (mm)	S1	S2	S3	
Distance (mm)	Time (min:s)	Time (min:s)	Time (min:s)	
50	02:24	02:25	02:20	
100	02:58	02:48	02:41	
150	03:35	03:26	03:18	
200	04:13	04:07	04:02	
250	05:07	05:04	04:57	
300	06:38	06:47	07:12	
350	09:51	10:05	10:11	
400	13:36	13:54	14:15	
450	18:59	19:05	19:27	
500	25:42	26:16	26:32	
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				
Extinguishing time (min:s)	30:00	30:00	30:00	
The final maximum flame spread distance(mm)	530	520	520	

	S1	S2	S3	Average
Flame front distance at 10 min (mm)	340	350	360	350
Flame front distance at 20 min (mm)	470	460	460	463.3
Flame front distance at 30 min (mm)	530	520	520	523.3
Heat Flux at 10 minutes, HF-10/ kW/m ²	6.5	6.3	6.1	6.3
Heat Flux at 20 minutes, HF-20/ kW/m ²	4.1	4.3	4.3	4.2
Heat Flux at 30 minutes, HF-30/ kW/m ²	3.3	3.4	3.4	3.4
the integral of the smoke(%×min)	728.7	717.5	720.6	722.3
Max. light attenuation (%)	86.5	84.7	85.6	85.6

To be continued....



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Conclusion:

	S1	S2	S3	Average
HF-30 / kW/m ²	3.3	3.4	3.4	3.4

Photo Appendix:



SGS authenticate the photo on original report only ***End of Report***



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