



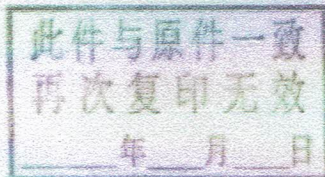
TEST REPORT

No. : GZIN170300560CCM
 Date : Jul. 21, 2017
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Sample Name : ACOUSTIC UNDERLAY
 Product Specification : 10M*1M*5MM

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. : GZIN170300560CCM
 Date of Receipt : Mar. 20, 2017
 Testing Start Date : Mar. 20, 2017
 Testing End Date : Apr. 13, 2017
 Test result(s) : For further details, please refer to the following page(s)
 (Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)



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

Jay Xue
 Authorized signatory



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Summary of test results

The following tests have been requested, also according to EN 14041:2004/AC: 2006, CE harmonized standard: Resilient, textile and laminate floor coverings - Essential Characteristics

No.	Test items	Test methods	Test results	Conclusion
1	Reaction to fire	EN 14041:2004/AC:2006 Clause 4.1	Class F _s	Class F _s
2	Pentachlorophenol (PCP)	EN14041:2004 ANNEX B & EN12673:1999	ND	Pass
3	Formaldehyde	EN 717-1:2004	ND	E1
4	Slip resistance	EN 14041:2004/AC: 2006 Clause 4.5 and EN 13993:2002	Dynamic coefficient of friction: X Direction: 0.59 Y Direction: 0.58	Technical class DS
5	Thermal conductivity	EN 12667:2001	0.072W/(m·K)	
	Thermal resistance		0.069(m ² ·K)/W	

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Test Item 4: Dynamic coefficient of friction

Test method: EN 14041:2004/AC: 2006 Clause 4.5 and EN 13893: 2002

Test condition:

Specimen thickness: 5.00mm

Testing speed: 0.20m/s

Test result:

Result	Requirement in EN 14041:2004/AC:2006	Conclusion
Dynamic coefficient of friction: X Direction: 0.59 Y Direction: 0.58	The floor covering intended to be used in dry and non-contaminated conditions shall have a dynamic coefficient of friction of ≥ 0.30 when tested ex-factory under dry conditions in accordance with EN 13893 and shall be declared as technical class DS.	Technical class DS

Test Item 5: Thermal conductivity & Thermal resistance

Test method: EN 12667:2001 (heat flow meter method)

Test condition:

Specimen: 302mm×300mm×5.0mm, 1pc

Density: about 596kg/m³

Mean temperature: 23°C

Temperature difference: 10°C

Lab environmental condition: 23±2°C, 50±5%RH

Test result:

Test Item	Test Result
Thermal conductivity	0.072W/(m·K)
Thermal resistance	0.069(m ² ·K)/W

Note: 1. The test result can not be compared with other results obtained from different test conditions, and should not be cited to the use condition directly

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



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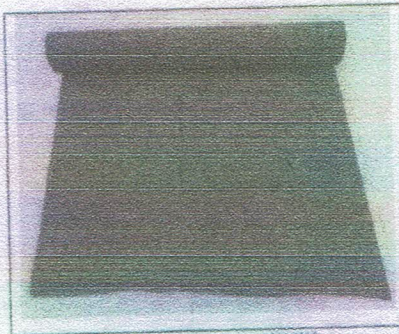
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*****End of report*****

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