

TEST REPORT

No. : GZIN2209006599CM

Date : Sep 22, 2022

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scan to see the report



GZIN2209006599CM

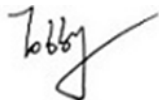
CUSTOMER NAME: GUANGDONG RELANG NEW MATERIAL TECHNOLOGY CO., LTD
 ADDRESS: NO.13 HUALIAN THIRD ROAD OF, FINE CHEMICAL ENGINEERING ZONE, GAOLANGANG ECONOMIC DEVELOPMENT ZONE, ZHUHAI, GUANGDONG, CHINA

Sample Name : Pure Acrylic Solid Surface Sheet
 Product Specification : PM6207 Angora White 12mm
 Manufacturer : GUANGDONG RELANG NEW MATERIAL TECHNOLOGY CO., LTD
 Material and Mark : Durasein

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.

Date of Receipt : Sep 05, 2022
 Testing Start Date : Sep 05, 2022
 Testing End Date : Sep 22, 2022
 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
 SGS-CSTC Standards Technical
 Services Co., Ltd. GZ Branch Testing
 Center



Tobby Yang
 Authorized signatory



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Test Result Summary

Test(s) Requested	Result(s)
NF P 92-507:2004 Fire safety-building-interior fitting materials - Classification according to their reaction to fire	Classification: M1
Summary:	
1. For further details, please refer to the following page(s).	



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TESTS AND RESULTS

Test Conducted:

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

1. 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 thickness more than 5 mm.

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)% ; Duration: 48 h

Test Results:

1. NF P 92-501:1995

---	Specimen 1	Specimen 2	Specimen 3	Specimen 4
Time of ignited exposed face (ti1) (seconds)	DNI	DNI	DNI	DNI
Time of ignited unexposed face (ti2) (seconds)	DNI	DNI	DNI	DNI
Sum of the height of the flame $\sum h$ (cm)	0	0	0	0
Sum of the duration of flaming combustion, ΔT (seconds)	0	0	0	0
$q = \frac{100 \sum h}{t_i \sqrt{\Delta T}}$	N/A	N/A	N/A	N/A
AVG.q	N/A			
Flaming molten droplets (Yes/No)	No	No	No	No
Non-flaming molten droplets (Yes/No)	No	No	No	No
Creep or melting (Yes/No)	No	No	No	No
Perforation without ignition(Yes/No)	No	No	No	No
Additional burning phenomenon(specify if presented)	Charring	Charring	Charring	Charring



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Remark: DNI – Did not ignite; N/A- Not applicable

Classification:

M1

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	
		<2 mm/s	>2 mm/s	<2.5 MJ/kg	>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.



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Table 3 Resume of classification for the materials presented a particular behaviour

Test Items	Criteria of classification				
		Not ignite the wadding	Not ignite the wadding	Ignite the wadding	Ignite the wadding
Test for hot melt materials		Not ignite the wadding	Not ignite the wadding	Ignite the wadding	Ignite the wadding
Flame Persistence Test	No drops	Non-flaming molten droplets	Flaming drops or debris	Non-flaming molten droplets	Flaming drops or debris
Flame persistence time ≤ 2s	M1	M1	M2	M4	M4
Flame persistence time ≤ 5s	M2	M2	M3	M4	M4
Flame persistence time > 5s and Flame Spread < 2 mm/s	M3	M3	M4	M4	M4

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.



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SAMPLE INFORMATION AND PICTURES

Product Name: Board
Area density: 21.1kg/m²
Thickness: 12 mm



Appendix information: The above test was carried out by other laboratory in SGS group.

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



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