

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

Sample Description: 520G PVC FOR GAZEBO

Composition: PVC AND POLYESTER

End use application: GAZEBO

Test Requested:

NF P 92-507:2004 Fire safety-building-interior fitting materials-Classification according to their reaction

Test Results: -- See attached sheet --

Conclusion:

Classification: M2

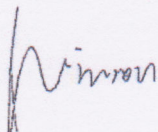
Note: The classes with their corresponding fire performance are given in Annex I.

Test Period:

Sample Receiving Date : NOV.10, 2009

Test Performing Date : NOV.10, 2009 TO NOV.17, 2009

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



Winson Wang
Supervisor

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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 P92-503:1995 Safety against fire Building materials – Reaction to fire tests Electrical burner test used for flexible materials

II. Details of sample

Type	PVC
Color	White
Composition	PVC and Polyester
Size of sample	600mm×180mm
Thickness	0.4mm
Mass per unit area	510g/m ²

III. Conditioning

Prior to testing, the sample was conditioned,

In an atmosphere having a temperature of 23±2℃ and a relative humidity of 50±5% for 7 days or 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 P92-503:1995 Electrical burner test

During the testing, the following details are noted:	Sample1	Sample2	Sample3	Sample4
The time of inflammation and its duration after withdrawing the pilot flame (seconds)	4	6	5	8
Flaming molten droplets (Yes/No)	No	No	No	No
Non-Flaming molten droplets (Yes/No)	No	No	No	No
Flaming debris (Yes/No)	No	No	No	No
Non-Flaming debris (Yes/No)	No	No	No	No
The presence of white-hot spots with or without propagation effects (Yes/No)	No	No	No	No

To be continued....

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After testing, the following details are noted:	Sample1	Sample2	Sample3	Sample4
The maximum destruction distance from the lower edge of the test piece (mm)	185	200	190	215
The maximum width of the destroyed zones on the section of the test piece found between 450mm and 600mm from its lower edge (mm)	0	0	0	0
The area of the destroyed or damaged parts of the test piece	Ellipse	Ellipse	Ellipse	Ellipse

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 1 Resume of classification for flexible materials which thickness no more than 5mm

Test Items	Criteria of classification				
<u>Test for hot melt materials</u>		Not ignite the wadding	Not ignite the wadding	Ignite the wadding	Ignite the wadding
<u>Electrical Burner Test</u> ^{a)}	No drops	Non-flaming molten droplets	Flaming drops or debris	Non-flaming molten droplets	Flaming drops or debris
Inflammation ≤ 5s	M1	M1	M2	M4	M4
Inflammation > 5s and Average destroyed length <350 mm	M2	M2	M3	M4	M4
Inflammation > 5s and Average destroyed width <90 mm between the 450 mm and 600 mm in length	M3	M3	M4	M4	M4
<u>Flame Spread Test</u> (flame spread <2 mm/s)			M4	M4	M4
^{a)} If the materials presented a particular behaviour, the classification also need to refer to Table 3. The details of classification M0 refer to clause 3.3 of NF P 92-507:2004.					

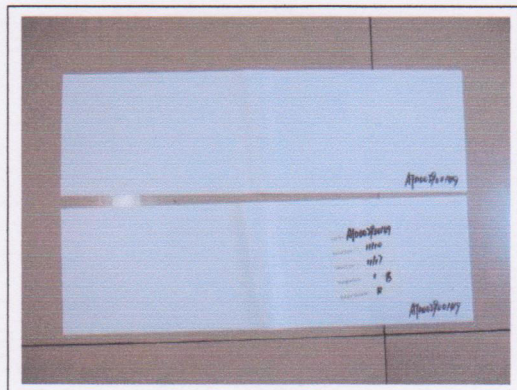
Table 3 Resume of classification for the materials presented a particular behaviour

Test Items	Criteria of classification				
<u>Test for hot melt materials</u>		Not ignite the wadding	Not ignite the wadding	Ignite the wadding	Ignite the wadding
<u>Flame Persistence Test</u>	No drops	Non-flaming molten drops	Flaming drops or debris	Non-flaming molten drops	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

To be continued....

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Photo Appendix:



End of Report

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