

SPIDTEC EURL / NOSTALGIA SPORTSCARS SAPL

186 RUE DE L'INDUSTRIE 59100 ROUBAIX FRANCE

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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SGS-CSTC Standards Technical Services Co., Ltd. | NO.2 Tong Biao Road, FanTan Industrial Zone, Anji County Zhe Jiang Province China 313300 | t (86-572)5018825 | f (86-572)5018829 | www.cn.sgs.com
Anji Branch Testing Services Laboratory | 中国·浙江·安吉范潭工业园区通标路2号 邮编:313300 | t (86-572)5018825 | f (86-572)5018829 | e sgs.china@sgs.com

Member of the SGS Group (SGS SA)

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°C 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 | | | | |
|--|----------------------------|-----------------------------|-------------------------|-----------------------------|-------------------------|
| Test for hot melt materials | | Not ignite the wadding | Not ignite the wadding | Ignite the wadding | Ignite the wadding |
| Electrical Burner Test ^{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 |
| Flame Spread Test (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 | | | | |
|---|----------------------------|--------------------------|-------------------------|--------------------------|-------------------------|
| 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 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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中国·浙江·安吉范范工业园区通标路2号 邮编:313300

t (86-572)5018825 f (86-572)5018829 www.cn.sgs.com
t (86-572)5018825 f (86-572)5018829 e sgs.china@sgs.com

Photo Appendix:



End of Report

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