

Test Report

No. AJFS1812012048FF

Date: DEC.12, 2018

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Dongtai City Winsom Outdoor Product CO., LTD

NO.1 TIANYUAN RD, MACHINERY INDUSTRIAL ZONE, DONGTAI CITY, JIANGSU, CHINA

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

Sample Description: PVC TARPAULIN

SGS Ref No.: NBIN1812013417SC

Style/Item No.: /

Buyer: SEMA

Manufacturer: DONGTAI CITY WINSOM OUTDOOR PRODUCT CO., LTD

Test Requested:

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

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 : DEC.04, 2018

Test Performing Date : DEC.04, 2018 TO DEC.12, 2018

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 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 P 92-503:1995 Safety against fire—Building materials—Reaction to fire tests—Electrical burner test used for flexible materials.

II. Details of classified product

Sample description	PVC
Color	Blue & Yellow
Area Density	About 662 g/m ²
Specimen size	600mm×180mm

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 P 92-503:1995 Electrical burner test

Exposed face identification: Face, Orientation: Weft (if applicable)

During the testing, the following details are noted	Sample 1	Sample 2	Sample 3	Sample 4
Hole (Yes/No)	Yes	Yes	Yes	Yes
Max. afterflame time after withdrawal the pilot flame (s)	33	38	27	23
Afterglow time (s)	-	-	-	-
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
White-hot spots with propagation effects (Yes/No)	No	No	No	No

To be continued....



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After testing, the following details are noted;	Sample 1	Sample 2	Sample 3	Sample 4
Max. destruction length from the lower edge (cm)	22	21	21	22
Average length (cm)	21.5			
Max. width of the destroyed zones between 450mm and 600mm from the test piece lower edge (cm)	ND	ND	ND	ND
Average width (cm)	ND			

Remark: "ND" indicates Non-detected

Annex I, Classification

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

Test Items	Criteria of classification				
		No ignition of the wadding	No ignition of the wadding	Ignition of the wadding	Ignition of the wadding
Test for hot melt materials		No ignition of the wadding	No ignition of the wadding	Ignition of the wadding	Ignition of 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 needs to refer to Table 3. The details of classification M0 refer to clause 3.3 of NF P 92-507:2004.

To be continued....



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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 2s	M1	M1	M2	M4	M4
Flame persistence 5s	M2	M2	M3	M4	M4
Flame persistence time >5s and Flame Spread <2 mm/s	M3	M3	M4	M4	M4

STATEMENTS:

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.

The specimen was supplied by the sponsor and SGS-CSTC ANJI Branch was not involved in any selection or sampling procedure.

To be continued....



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Photo Appendix:



SGS authenticate the photo on original report only

End of Report

