SUNTEX COMPOSITE INDUSTRIAL CO., LTD

1212 FORTUNE INTERNATIONAL BUILDING, 717 WULUO ROAD, WUHAN, CHINA

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

Sample Description: DOUBLE SIDED SILICONE COATED FIBREGLASS FABRIC

Type/Style: GF430P-SI233-1015

Thickness: 0.4mm

Composition: SILICONE RUBBER, FIBERGLASS

Country of Origin: CHINA

Country of Destination: EU, RUSSIA, MIDDLE EAST

End use application: THERMAL INSULATION, DUCTWORK CONNECTOR, WELDING RROTECTION AND OTHER FIRE CONTROL SYSTEMS

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: M0

Test Period:

Sample Receiving Date	:	NOV.26, 2013
Test Performing Date	:	NOV.26, 2013 TO DEC.06, 2013

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

Allen Zou
Technical Supervisor

SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch (Anji Testing Service for Hardgoods Laboratory)
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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:

1. NF EN ISO 1716:2010 reaction to fire tests for building products—determination of the heat of combustion.
2. NF P92-503:1995 Safety against fire Building materials – Reaction to fire tests Electrical burner test used for flexible materials
3. NF P 92-504:1995 Safety against fire—Building materials—Reaction to fire tests—Flame persistence test and speed of the spread of flame.

II. Sample details

Name	DOUBLE SIDED SILICONE COATED FIBREGLASS FABRIC
Color	Grey
Area density	About 510g/m^2

Conditioning:

Prior to testing, the sample was conditioned,

to constant mass at a temperature of 23 ± 2 ℃, and a relative humidity of 50 ± 5 %, and maintained in this condition until required for testing.

III. Test results

Part 1, NF P 92-503

Test details:

Specimen Size: 600mm×180mm

To be continued…

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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)	No	No	No	No
Max. afterflame time after withdrawal the pilot flame (s)	0	0	0	0
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

After testing, the following details are noted;	Sample 1	Sample 2	Sample 3	Sample 4
Max. destruction length from the lower edge (cm)	0	0	0	0
Average length (cm)	0			
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

Part 2, NF P 92-504

Test details:

Specimen Size: 460mm×230mm

	Sample 1	Sample 2	Sample 3	Sample 4
Flame persistence after withdrawal the burner (Yes/No)	No	No	No	No
Flame persistence time (s)	0	0	0	0
Flaming molten droplets (Yes/No)	No	No	No	No
Non-flaming molten droplets (Yes/No)	No	No	No	No

To be continued….

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Part 3, NF EN ISO 1716

Test details:

Tested Material: Double sided silicone coated fibreglass fabric

Specimen Prepare Methods: Crucible methods

Specimen No.	1st	2nd	3rd	AVG
Q_{PCS} (MJ/kg)	1.42	1.41	1.43	1.42

IV. Test criteria

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.					

To be continued….

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Member of the SGS Group (SGS SA)

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

NF P 92-507, Clause 3.3 Classification in category M0,

3.3.1 Homogenous materials

A homogenous material, flexible or rigid, is classified in category M0 when it satisfies the two following conditions:

- There is no effective ignition with the test by radiation or with electrical burner
- Its heat of combustion measured following the conditions of the standard NF EN ISO 1716 is inferior or equal to 2.5 MJ/kg around 600 kcal/kg).

To be continued….

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.

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

Photo Appendix:

End of Report

SGS-CSTC Standards Technical Services Co., Ltd.
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