

TEST REPORT

Reference No. : TRGZ12011028E

Date: Nov. 21, 2012

Page No.: 1 of 5

Client : AV INDUSTRY

Address : 314, rue du professeur Paul Milliez - 94500 Champigny sur marne - France

The following merchandise was (were) submitted and identified by the client as:

Name of Product : Projection screen

Test Model : LUMENE Fiber Glass Screen Fabric

Model May Cover : /

Main Material : PVC; Glass Fiber

Sample Received : Nov. 02, 2012

Test Period : Nov. 02, 2012 – Nov. 21, 2012

Test Request : As specified by client, to test the submitted sample.

1. Fire safety-building-interior fitting materials - Classification according to their reaction.
2. Safety against fire Building materials – Reaction to fire tests Electrical burner test used for flexible materials

Test Method : 1. With reference to NF P 92-507: 2004

2. With reference to NF P 92-503: 1995

Test Results : Please refer to next page(s)

Summary :

No.	Test Items	Standard	Classification
1	Fire safety-building-interior fitting materials - Classification according to their reaction.	NF P 92-507:2004	M1
2	Safety against fire Building materials – Reaction to fire tests Electrical burner test used for flexible materials	NF P 92-503:1995	

Issued by:



**TÜV NORD Green Product Service Centre
Technical Manager**

TEST REPORT

Reference No. : TRGZ12011028E

Date: Nov. 21, 2012

Page No.: 2 of 5

TEST RESULTS:

TEST ENVIRONMENT

Ambient Temperature: 23°C

Ambient Humidity: 50%RH

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

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

1.1 Sample details

Materials	Material	Projection screen		
	Color	Face: white; back: black		
Size of sample	Length: 600mm	Wide: 180mm	Thickness: ≤1mm	4pcs

Precondition	Temperature (°C)	Humidity (%)	Duration (h)
	23±2	50±5	168

Remark: Test specimens shall be conditioned 7 days or until constant mass is achieved before testing.

1.2 Test results

Exposed face identification: face

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)	1.2	0.7	0.8	1.1
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 *****

TEST REPORT

Reference No. : TRGZ12011028E

Date: Nov. 21, 2012

Page No.: 3 of 5

After testing, the following details are noted	Sample 1	Sample 2	Sample 3	Sample 4
Max. destruction length from the lower edge (cm)	15.0	13.3	14.2	14.7
Average length (cm)	14.3			
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=Not Detection

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.

2.3 classifications

Test methods	Classification
NF P92-503:1995	M1

***** To be continued *****

TEST REPORT

Reference No. : TRGZ12011028E

Date: Nov. 21, 2012

Page No.: 4 of 5

Requirements:

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

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
Electrical Burner Test ^{a)}	No drops	Non-flaming molten drops	Flaming drops or debris	Non-flaming molten drops	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 *****

TEST REPORT

Reference No. : TRGZ12011028E

Date: Nov. 21, 2012

Page No.: 5 of 5

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
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

Test Part Description: PVC fabric containing glass fiber

SAMPLE PHOTO



***** END OF REPORT *****