



Testing. Advising. Assuring.

Test report no. 2018-1766

issued 12.10.2018

Customer: AB Ludvig Svennsson
Bangatan 8
SE-511 82 Kinna

Date of order: 13.09.2018
Date of sampling: no official taking out of the specimen
from a representative of the Exova
Warringtonfire, Frankfurt
Date of arrival: 14.09.2018
Date of test: 11.10.2018

Order:

Testing the of the class M1 according to NF P 92-507

Description / designation of the test object

Product name: Marble

Description of the relevant test procedure

NF P 92-503 - 1995
NF P 92-504 - 1995
NF P 92-505 - 1995
NF P 92-507 - 2004



1. Description of the sample material:**1.1 Details of the customer:**

Product name:	Marble
Face to be tested:	Face side (marked on the article)
Description:	
Name:	Marble
Product:	Curtain
Colour:	Blue
Weight:	230 g/m ²
Composition:	100% Flame retardant polyester
Intended end use of product:	Curtain

1.2 At the specimen preparation from Exova Warringtonfire, Frankfurt determined values:

Fabric sample

Colour:	grey/green
Thickness:	0,4 mm
Square weight:	234 g/m ²

Testing after clima storing at 23°C and 50 % rel. humidity (>24 h).

2. Test results

2.1 Test sheet to NF P 92-503 (Electrical burner) :

Ignition time: 5 [s] Test room: 21 °C / 40 % r. L.F.

	Specimen no..	1	2	3	4
	Test direction	L	L	Q	Q
	Ignition*				
1. Flame contact	-	0	0	0	0
2. Flame contact					
3. Flame contact					
4. Flame contact	no more flame				
5. Flame contact	touches possible				
6. Flame contact					
7. Flame contact					
8. Flame contact					
9. Flame contact					
10. Flame contact					
Ignition by radiator		-	-	-	-
Dripping in radiator		-	x	x	x
Dripping		x	x	x	x
Ignited particels		-	-	-	-
Destroyed length [mm]		140	160	150	160
Destroyed width (zw. 450-600) [mm]		-	-	-	-

* = if not the case -; L = length Q = width

Remarks: Hole formation before first flame contact.
 No difference between length and cross direction.

2.2 Test sheet to NF P 92-504 (Flame persistence):

Ignition time: 5 [s] Test room: 21 °C / 40 % r. L.F.

	Specimen no..	1	2	3	4
	Test direction	L	L	Q	Q
	Test side				
	Ignition >2s*				
1. Flame contact	-	0	0	0	0
2. Flame contact	-	0	0	0	0
3. Flame contact	-	0	0	0	0
4. Flame contact	-	0	0	0	0
5. Flame contact	-	0	0	0	0
6. Flame contact	-	0	0	0	0
7. Flame contact	-	0	0	0	0
8. Flame contact	-	0	0	0	0
9. Flame contact	-	0	0	0	0
10. Flame contact	-	0	0	0	0
Dripping		-	-	-	-
Ignited particels		-	-	-	-

* = if not the case -; L = length Q = width; ; F = front side B = back side

Remarks: No difference between length and cross direction

2.3 Testsheet to NF P 92-505 (dripping behaviour) :

Test room: 21 °C / 40 % r. L.F.

Specimen no.	1	2	3	4
Ignition / Duration [s]				
1. Ignition / Duration [s]	20/7	25/5	15/10	20/10
2. Ignition / Duration [s]	40/15	45/10	45/5	40/5
3. Ignition / Duration [s]	70/10	60/10	65/5	70/5
4. Ignition / Duration [s]	85/20	80/15	80/5	85/5
5. Ignition / Duration [s]	120/10	110/10	105/10	110/10
6. Ignition / Duration [s]	165/10	170/15	180/10	1710/10
7. Ignition / Duration [s]	200/10	190/10	190/10	200/10
8. Ignition / Duration [s]	240/10	220/15	230/10	240/10
9. Ignition / Duration [s]	-/-	-/-	-/-	-/-
10. Ignition / Duration [s]	-/-	-/-	-/-	-/-
Ignition by radiator	x	x	x	x
Dripping	x	x	x	x
Burning dripping	-	-	-	-

* = if not applicable -;

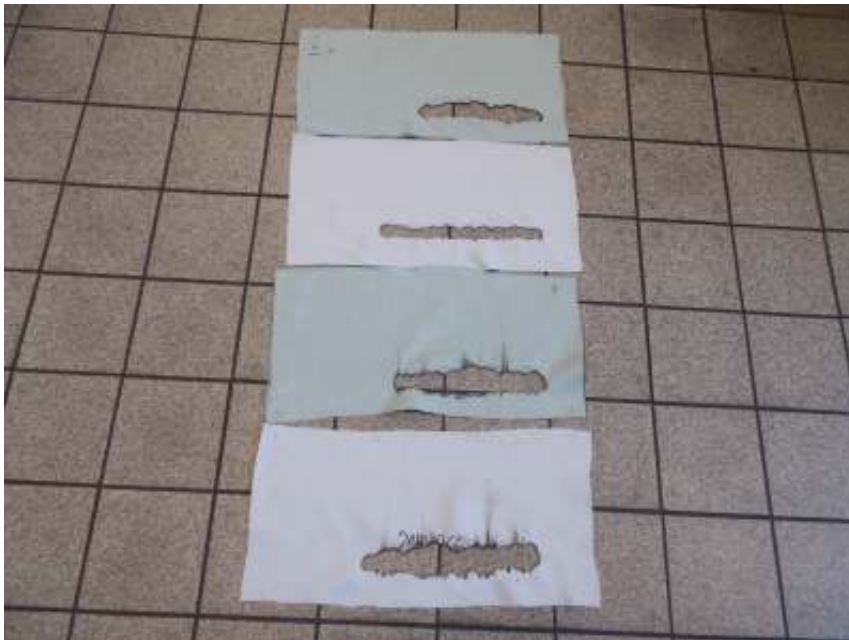
Remarks: none

2.4 Appearance of samples after the tests:

NF P 92-503:



NF P 92-504:



3. Assessment:

The in chapter 1 described material fulfils the requirements of the class M1 according to NF P 92-507.

Requirements according to NF P 92-507:

Test	Classification criterion				
Test for thermofusible materials (NF P 92-505)		No ignition of cotton wool	No ignition of cotton wool	Ignition of cotton wool	Ignition of cotton wool
Electric burner test (NF P 92-503)	No droplets	Non-flaming droplets	Flaming droplets or debris	Non-flaming droplets	Flaming droplets or debris
Ignition $\leq 5s$	M1	M1	M2	M4	M4
Ignition $> 5s$ and mean of lengths destroyed < 350 mm	M2	M2	M3	M4	M4
Ignition $> 5s$ and mean of widths < 90 mm zwischen 450-600mm	M3	M3	M4	M4	M4
Flame persistence test (NF P 92-504)	No droplet	Non-flaming droplets	Flaming droplets or	Non-flaming droplets	Flaming droplets or
No persistence of flame $> 2s$	M1	M1	M2	M4	M4
Persistence ≤ 5 s	M2	M2	M3	M4	M4
Persistence $> 5s$ and propagation rate less than $< 2mm/s$	M3	M3	M4	M4	M4
Flame propagation test (rate less than $< 2mm/s$)			M4	M4	M4

4. Special remarks

The fire test results are only valid for the in chapter 1 described material.
In the composition with other materials (for example coatings, deposits) the burning behaviour could be influenced unfavourable that the above classification is not any longer valid. The burning behaviour in composition with other materials has to be tested separately.

Frankfurt, the 12th October 2018

A handwritten signature in blue ink, appearing to read "P. Scheinkönig".

P. Scheinkönig
Tester in Charge
Senior Test Officer



These test results relate only to the behavior of the test specimens 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.

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This test report is a translation of the German version of the test report 2018-1766 (issued 12.10.2018). In case of doubt only the German version is solely valid.

This test report contains 8 pages.