



Testing. Advising. Assuring.

Test report no. 2018-1693

issued 27.08.2018

Customer: Treelocate (Europe) Limited
Belford Industrial Estate
Station Road
Belford
NE70 7DT

Date of order: 17.08.2018
Date of sampling: no official taking out of the specimen
from a representative of the Exova
Warringtonfire, Frankfurt
Date of arrival: 17.08.2018
Date of test: 27.08.2018

Order:

Testing the of the class M1 according to NF P 92-503
with classification according to NF P 92-507.

Description / designation of the test object

Product name: 

Description of the relevant test procedure

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



1. Description of the sample material:

1.1 Details of the customer:

Product name: Firesilx Material

Material description: 1000mm x 200 mm (24 pcs)
The colour is variegated/green
Material used in the manufacture of artificial foliage and trees
Gross weight of all the material weighed together is 0.55 kg
The material is made out of polyester

Intended end use of product: Artificial foliage and trees

1.2 At the sample preparation of the Exova Warringtonfire, Frankfurt determined values:

Material type: coated fabric

Colour: Beige with green leaves

Surface weight: 103 g/m²

Thickness: 0,12 mm

Testing after clima storing at 23°C and 50 % rel. humidity.

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	L	L
	Test surface	F	B	F	B
	Ignition*				
1. Flame contact	x	1	0	3	4
2. Flame contact	x	12	6	8	4
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		-	-	-	-
Dripping		x	x	x	x
Ignited particels		x	x	x	x
Destroyed length [mm]		200	190	230	210
Destroyed width (zw. 450-600) [mm]		-	-	-	-

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

Remarks: No difference between front and backside.
Flame spread, strong smoke development.

3. Assessment:

The in chapter 1 described material is able to fulfill the requirements of the class M3 according to NF P 92-507; Test according to NF P 92-505 not performed.

Requirements according to NF P 92-507:

Test	Classification criterion				
		No ignition of cotton wool	No ignition of cotton wool	Ignition of cotton wool	Ignition of cotton wool
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 ≤ 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 27th August 2018



P. Scheinkönig
Tester in Charge



M. Ronzheimer
Seniort 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.

Test reports are only allowed to be published or reproduced, not changed in form and tenor without permission of the Exova Warringtonfire Frankfurt.

The abridged account of a test report is only allowed with the agreement of the Exova Warringtonfire Frankfurt.

This test report is a translation of the German version of the test report 2018-1693 (issued 27.08.2018). In case of doubt only the German version is solely valid.

This test report contains 6 pages.