

Test report
no. 220440
issued 29.04.2022

Customer:
Supplied by: Vyva Fabrics
TT. Vasumweg 140
1033 SH AMSTERDAM
The Netherlands

Date of order: 05.04.2022
Date of sampling: no official taking out of the
specimen from a representative of
the Warringtonfire, Frankfurt
Date of arrival: 14.04.2022
Date of test: 22.04.2022

Order:

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

Description / designation of the test object

Product name: HARLOW

Description of the relevant test procedure

NF P 92-503 - 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: HARLOW

Face to be tested: Top/Upper Side

Product description:

Main Components 80.82 % PVC Phthalate free
19.18 % Polyester

Thickness: 1.20 +/- 0.15 mm

Grossweight: 730 +/- 50 g/m²

Color(s): Coconut | 6027 HAR
Nigella | 6031 HAR
Guarana | 6022 HAR

Intended end use of product: Upholstery / CONTRACT

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

Material:	one-sided coated fabric		
Designation:	Coconut 6027 HAR	Nigella 6031 HAR	Guarana 6022 HAR
Colours	white	black	red
Thickness	approx. 1.07 mm	approx. 1.04	approx. 1.07
Surface weight:	725 g/m ²	725 g/m ²	725 g/m ²
Test arrangement:	coated surface to the radiator		

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

2. Test results

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

Colour: white

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

	Sample no..	1	2	3	4
	Specimen no..	1	2	3	4
	Test direction	L	L	C	C
	Ignition*	F	F	F	F
1. Flame contact	x	3	1	1	1
2. Flame contact	x	4	1	2	3
3. Flame contact	x	127	1	3	7
4. Flame contact	x	-	136	9	5
5. Flame contact	x	-	-	119	121
6. Flame contact	-	-	-	-	-
7. Flame contact	-	-	-	-	-
8. Flame contact	-	-	-	-	-
9. Flame contact	-	-	-	-	-
10. Flame contact	-	-	-	-	-
Ignition by radiator		no	no	no	no
Dripping in radiator		no	no	no	no
Dripping		yes	yes	yes	yes
Ignited particels		no	no	no	no
Destroyed length [mm]		320	320	320	290
Destroyed width (zw. 450-600) [mm]		-	-	-	-

* = if not the case -; L = length C= cross; F = front side B = back side

Remarks: Hole formation after 1st flame
No difference between longitudinal and cross direction

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

Colour: black

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

	Sample no..	1	2	3	4
	Specimen no..	1	2	3	4
	Test direction	L	L	C	C
	Ignition*	F	F	F	F
1. Flame contact	x	3	3	2	13
2. Flame contact	x	1	3	138	120
3. Flame contact	x	9	2	-	-
4. Flame contact	x	132	1	-	-
5. Flame contact	x	-	122	-	-
6. Flame contact	-	-	-	-	-
7. Flame contact	-	-	-	-	-
8. Flame contact	-	-	-	-	-
9. Flame contact	-	-	-	-	-
10.Flame contact	-	-	-	-	-
Ignition by radiator		no	no	no	no
Dripping in radiator		no	no	no	no
Dripping		yes	yes	yes	yes
Ignited particels		no	no	no	no
Destroyed length [mm]		320	320	340	350
Destroyed width (zw. 450-600) [mm]		-	-	-	-

* = if not the case -; L = length C= cross; F = front side B = back side

Remarks: Hole formation after 1st flame
No difference between longitudinal and cross direction

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

Colour: red

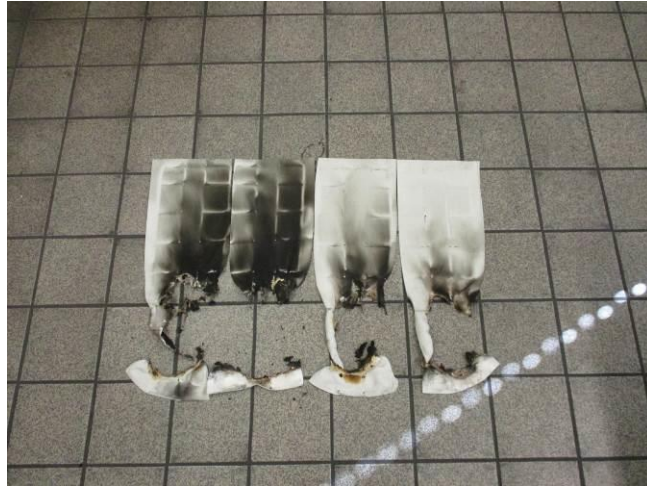
Ignition time: 5 [s] Test room: 21 °C / 40 % r. L.F.

	Sample no..	1	2	3	4
	Specimen no..	1	2	3	4
	Test direction	L	L	C	C
	Ignition*	F	F	F	F
1. Flame contact	x	119	188	10	9
2. Flame contact	x	-	-	185	193
3. Flame contact	-	-	-	-	-
4. Flame contact	-	-	-	-	-
5. Flame contact	-	-	-	-	-
6. Flame contact	-	-	-	-	-
7. Flame contact	-	-	-	-	-
8. Flame contact	-	-	-	-	-
9. Flame contact	-	-	-	-	-
10.Flame contact	-	-	-	-	-
Ignition by radiator		no	no	no	no
Dripping in radiator		no	no	no	no
Dripping		yes	yes	yes	yes
Ignited particels		no	no	no	no
Destroyed length [mm]		280	350	330	380
Destroyed width (zw. 450-600) [mm]		-	-	-	-

* = if not the case -; L = length C= cross; F = front side B = back side

Remarks: Hole formation after 1st flame
No difference between longitudinal and cross direction

2.1.4 Appearance of samples after the tests:



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

Colour: white

Test room: 21 °C / 40 % r. L.F.

	Specimen no.	1	2	3	4
	<i>Ignition / Duration [s]</i>				
1.	Ignition / Duration [s]	38/6	24/8	31/7	26/9
2.	Ignition / Duration [s]	59/11	58/9	60/10	54/9
3.	Ignition / Duration [s]	84/33	81/24	83/20	82/125
4.	Ignition / Duration [s]	153/17	154/18	152/14	153/16
5.	Ignition / Duration [s]	237/23	231/18	225/24	233/19
6.	Ignition / Duration [s]	-/-	-/-	-/-	-/-
7.	Ignition / Duration [s]	-/-	-/-	-/-	-/-
8.	Ignition / Duration [s]	-/-	-/-	-/-	-/-
9.	Ignition / Duration [s]	-/-	-/-	-/-	-/-
10.	Ignition / Duration [s]	-/-	-/-	-/-	-/-
	Ignition by radiator	yes	yes	yes	yes
	Dripping	no	no	no	no
	Burning dripping	no	no	no	no

* = if not applicable -;

Remarks: none

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

Colour: black

Test room: 21 °C / 40 % r. L.F.

	Specimen no.	1	2	3	4
	<i>Ignition / Duration [s]</i>				
1.	Ignition / Duration [s]	18/7	19/6	17/6	18/6
2.	Ignition / Duration [s]	41/6	40/7	37/9	40/7
3.	Ignition / Duration [s]	57/23	59/17	57/20	58/18
4.	Ignition / Duration [s]	92/13	84/12	90/10	91/14
5.	Ignition / Duration [s]	151/14	146/12	150/117	147/11
6.	Ignition / Duration [s]	188/11	181/15	183/15	179/12
7.	Ignition / Duration [s]	-/-	-/-	-/-	-/-
8.	Ignition / Duration [s]	-/-	-/-	-/-	-/-
9.	Ignition / Duration [s]	-/-	-/-	-/-	-/-
10.	Ignition / Duration [s]	-/-	-/-	-/-	-/-
	Ignition by radiator	yes	yes	yes	yes
	Dripping	no	no	no	no
	Burning dripping	no	no	no	no

* = if not applicable -;

Remarks: none

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

Colour: red

Test room: 21 °C / 40 % r. L.F.

	Specimen no.	1	2	3	4
	<i>Ignition / Duration [s]</i>				
1.	Ignition / Duration [s]	19/6	20/6	18/7	19/7
2.	Ignition / Duration [s]	55/9	52/8	53/8	55/8
3.	Ignition / Duration [s]	76/11	73/17	75/10	74/13
4.	Ignition / Duration [s]	108/8	110/11	108/7	109/10
5.	Ignition / Duration [s]	181/24	146/4	152/7	161/23
6.	Ignition / Duration [s]	-/-	180/11	184/11	-/-
7.	Ignition / Duration [s]	-/-	-/-	-/-	-/-
8.	Ignition / Duration [s]	-/-	-/-	-/-	-/-
9.	Ignition / Duration [s]	-/-	-/-	-/-	-/-
10.	Ignition / Duration [s]	-/-	-/-	-/-	-/-
	Ignition by radiator	yes	yes	yes	yes
	Dripping	no	no	no	no
	Burning dripping	no	no	no	no

* = if not applicable -;

Remarks: none

3. Assessment:

The material described in chapter 1 fulfils the requirements of class **M2** according to NF P 92-507.

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 test colours, thickness and surface weight.

The test result also includes intermediate colour schemes.

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 29.04.2022



H. Anders
Tester in Charge



P. Scheinkönig
Senior Test Engineer



Deutsche
Akkreditierungsstelle
D-PL-18354-01-00

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This test report is a translation of the German version of the test report 220440 (issued 29.04.2022). In case of doubt only the German version is solely valid. This test report contains 12 pages.