

MAIS DE 30 ANOS
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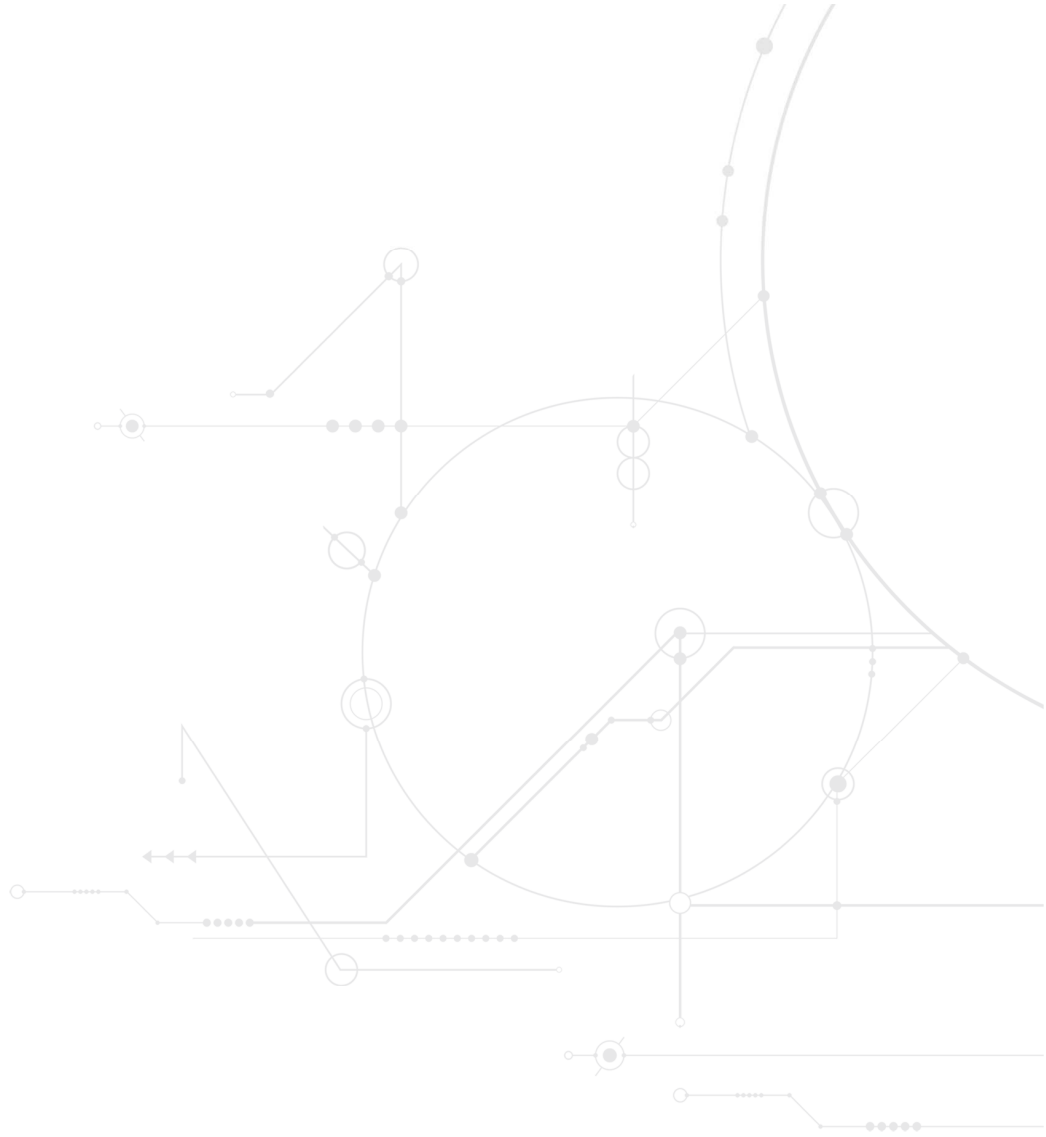
Laboratório de Fumo e Fogo



Reaction to Fire Tests

Test Report No. LFF.2020.339

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



IPAC is a signatory to the EA MLA and ILAC MRA for testing.
The presented results refer exclusively to tested specimens.
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0. DOCUMENT CONTROL AND IDENTIFICATION

0.1 DOCUMENT IDENTIFICATION

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1	1	0	2020-10-30	Original version	AM

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0.6 DISTRIBUTION LIST

Name	Entity	Initials
Laboratório de Fumo e Fogo	INEGI	LFF
---	Vyva Fabrics	---

0.7 IDENTIFICATION

Client: Supplied by: Vyva Fabrics

Address: TT. Vasumweg 140, 1033 SH Amsterdam
The Netherlands

Request: Fire Reaction Classification according to French Standards

Request Reference: PE30200952

Request Date: 2020-10-15

Material Reference: Bella Grana (artificial leather: 79% PVC + 21% CO)

Reception Date: 2020-10-15

Test Date: 2020-10-29

Test Location: LFF

Report Date: 2020-10-30

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1. SCOPE

This report concerns the reaction to fire testing and classification of a product described as artificial leather (79% PVC + 21% CO), with the reference "SI 1299/192 IG", to be used in upholstery.

2. METHODOLOGY

Test	Test procedure	Equipment
Electric burner	NF P 92-503: 1995	Electric burner (LFF-QUE/QET-2) Flow meter propane (LFF-QUE/FLU-1) Manometer propane (LFF-QUE/MAN-1) Multimeter (LFF-QUE/MUL-1) Anemometer (LFF-DIV/ANM-2) Chronometer (LFF-DIV/CRO-1) Ruler (LFF-DIV/REG-1) Digital caliper (LFF-DIV/PAQ-1) Balance (LFF-DIV/BAL-2)

For classification purposes, the standard NF P 92-507, issued in February 2004, was used.

3. SPECIMENS

The specimens were prepared at the laboratory from a sample provided by the client and had the following dimensions and masses:

Specimens	Length (mm)	Width (mm)	Thickness (mm)	Mass (g)
LFF.2020.339.01	601	181	1.4	106.0
LFF.2020.339.02	600	181	1.4	105.9
LFF.2020.339.03	604	181	1.4	104.7
LFF.2020.339.04	604	181	1.4	103.7

Half of the specimens were cut lengthwise (1 and 2) and the other half crosswise (3 and 4). Prior to testing, the specimens were conditioned for a period of 30 hours at 23 ± 2 °C and 50 ± 5 % relative humidity, having met the constant mass criterion.

4. RESULTS

The tests have been performed on the electric burner with the radiation incident on the material's both faces (a – PVC face, b – knit face), on specimens cut lengthwise (1 and 2) and crosswise (3 and 4), having produced the following results:

Reference	LFF.2020.339.01 a			LFF.2020.339.02 b			LFF.2020.339.03 a			LFF.2020.339.04 b		
	B	E	D	B	E	D	B	E	D	B	E	D
Time of igniter actuation												
20" 25"	24"	27"	2"	---	---	---	21"	1'08"	43"	---	---	---
45" 50"	46"	1'39"	49"	49"	1'26"	36"	---	---	---	46"	1'21"	31"
1'15" 1'20"	---	---	---	---	---	---	1'17"	1'25"	5"	---	---	---
1'45" 1'50"	1'48"	1'59"	9"	1'49"	1'51"	1"	---	---	---	1'48"	1'51"	1"
2'15" 2'20"	---	---	---	2'18"	2'22"	2"	---	---	---	---	---	---
2'45" 2'50"	---	---	---	---	---	---	---	---	---	2'49"	2'51"	1"
3'15" 3'20"	---	---	---	---	---	---	---	---	---	---	---	---
3'45" 3'50"	---	---	---	---	---	---	---	---	---	---	---	---
4'15" 4'20"	---	---	---	---	---	---	---	---	---	---	---	---
4'45" 4'50"	---	---	---	---	---	---	---	---	---	---	---	---
Destruction length from the lower edge of the specimen (mm)	205			260			220			275		
Destruction width from 450 to 600 mm (mm)	-			-			-			-		
Time of max. inflammation (s)	49			36			43			31		
Average length burnt (mm)							240					
Average width burnt (mm)							-					

B – Beginning of inflammation; E – End of inflammation; D – Duration of inflammation after removing the igniter;

Complementary observations

On course of the tests, abundant grey smoke has been released. No perforation or droplets (flaming or non-flaming) were observed.

The test results relate to the behavior 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.

5. CONCLUSION

Considering the above tests results, the material, according to NF P 92-507, is classified as **M2**.

This classification document is valid for 5 (five) years.

Porto, October 30th, 2020



Anabela Martins

Laboratory Technical Director

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