

TEST REPORT N° RL 2018/749

DELIVERY : 22/10/2018

MATERIAL RECEIVED : 05/10/2018


ORIGIN : BELGOTEX DO BRASIL
INDUSTRIA DE CARPETES LTDA
Avenida José Carlos Gomes 355
PONTA GROSSA – PR BRAZIL

NAME OF QUALITY : **FRINGE**

TESTS TYPE : Reaction to fire tests for floorings according to
NF EN ISO 9239-1 (February 2013)
Part 1: Determination of the burning behaviour using a
radiant heat source

The Technical Director
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Accreditation of Testing Section COFRAC certify the competence of laboratories only for the tests covered by the accreditation.

This test report is only valid as a certificate for the characteristics of the sample which was submitted to the tests and does not prejudge the characteristics of similar products. As a consequence, it is not a product certificate in the sense of Article L 115-27 of the Consumption Code and of the Law dating from June 3rd 1994.

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It contains **4** page(s) and **0** annex(s).

ORIGIN OF THE SAMPLE TO CONSIDER:

Sample provided by the applicant of the test.

PRODUCT DESCRIPTION DETERMINED BY THE LABORATORY:

Tufted loop pile carpet tile of 500 mm x 500 mm with tonal effect (EN 1307 family product).

INFORMATIONS GIVEN BY THE CUSTOMER :

Composition of use-surface : 92% polypropylene - 8% polyamide

Type of primary backing : non woven polyester

Type of backing : Bitumen

Total mass per unit area : 3900 g/m²

Total thickness : 6,5 mm

Total pile thickness: 4,0 mm

Colouring : Grey – black - yellow

Flame retardant : no

Description of test specimens:

*Substrate : fibres-cement board

Density (1800 ± 200) kg /m³

Dimensions 105 cm x 23 cm

Thickness (8 ± 2) mm

Installation : glued (adhered removable tackifier glue UZIN U2100 with depositing 120 g/m²)

Cleaning : none

Conditioning :

Conditioning at (23 ± 2)°C and (50 ± 5) % relative humidity until constant mass.

Eventual deviations from the test method:

None

Date of test:

19/10/2018

Duration of the test:

The radiation is maintained for 30 minutes.

C.R.E. T is notified by the French Government to the European Commission under n°NB 2401.

RESULTS :**1) HEAT FLUX**

Specimen	Flame front distance (mm)			Heat flux (kW/m ²)			Duration of flaming (min/s)	Maximum flame front distance (mm)	Critical Heat flux CHF (kW/m ²)
	10 min	20 min	30 min	HF 10	HF 20	HF 30			
1 (L)*	300	440	500	7,0	4,5	3,6	30 min 00 s	500	3,6
1 (T)*	250	250	250	8,0	-	-	12 min 00 s	250	8,0
2 (L)	320	400	460	6,6	5,1	4,2	30 min 00 s	460	4,2
3 (L)	330	410	460	6,4	5,0	4,2	30 min 00 s	460	4,2
Average (L)									4,0

(L)* → Longitudinally direction

(T)* → Transversally direction

Observations :

Specimen is mounted in such a way at least one joint is situated 250 mm from the zero point in the both directions.

Distance burnt (mm)	Time for each specimen to burn in minutes (min) and seconds (s)			
	1 (Longitudinally)	1 (Transversally)	2 (Longitudinally)	3 (Longitudinally)
50	2 min 50 s	2 min 40 s	2 min 40 s	2 min 40 s
100	4 min 00 s	4 min 10 s	3 min 50 s	3 min 50 s
150	5 min 00 s	5 min 20 s	5 min 10 s	5 min 20 s
200	5 min 40 s	6 min 40 s	6 min 20 s	6 min 10 s
250	6 min 30 s	7 min 20 s	7 min 20 s	7 min 10 s
300	9 min 50 s		8 min 50 s	8 min 40 s
350	13 min 30 s		13 min 30 s	14 min 40 s
400	16 min 50 s		20 min 00 s	18 min 10 s
450	22 min 00 s		26 min 50 s	26 min 00 s
500	29 min 40 s			
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

2) SMOKE DENSITY

Specimen	Maximum light attenuation (%)	Smoke development (% X min)
1 (L)*	66,0	369,4
1 (T)*	63,2	255,5
2 (L)	68,1	360,5
3 (L)	70,3	328,4
Average (L)	68,1	352,8

(L)* → Longitudinally direction

(T)* → Transversally direction

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.

End of report