

Informationen

zur Zertifizierung schwer entflammbar nach französischer Norm M1

Stoff • minsk

Farb.-Nr. 401.xx

Zertifikat-Nummer **71762/M**

Datum **15.12.2009**

Bestätigung Die Firma erfal bestätigt, dass dieser Qualität das Zertifikat 14-03696 L zugrunde liegt.



Jörg Erler
Geschäftsführer

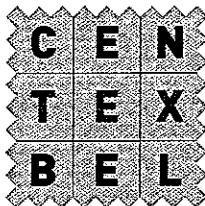
erfal steht für Qualität Made in Germany.

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erfal GmbH & Co. KG
Gewerbering 8
D - 08223 Falkenstein

Fon +49 (0) 3745 750 0
Fax +49 (0) 3745 750 299
info@erfal.de



ONTVANGEN 17.12.09

your delivery of
2009-11-30

your reference

our reference
PVH/11293

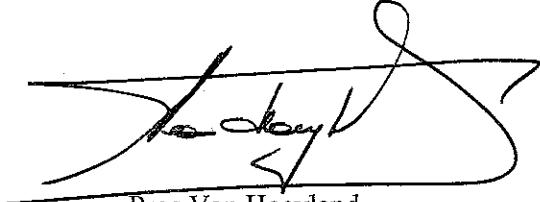
date
Zwijnaarde, 2009-12-15

Analysis Report 71762/M

Required tests :

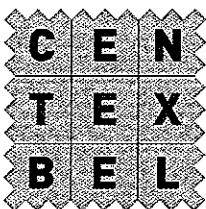
NF P 92-503 (1995) - "Electric burner test"
NF P 92-504 (1995) - "Flame persistance test"
NF P 92-505 (1995) - "Test for melting materials"
NF P 92-507 (2004) - "Interior materials – Classification according to their reaction to fire"
French decree from 21 November 2002 - Reaction to fire tests on interior materials

Identification number	Information given by the client	Date of receipt
		2009-11-30


Pros Van Hoeyland
order responsible

For further information, please contact our sectorial adviser Pros Van Hoeyland

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The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.



Reference : T912022 - Milan

NF P 92-503 (1995) - "Electric burner "
French decree from 21 November 2002 - Reaction to fire tests on interior materials

End of tests: 10 December 2009

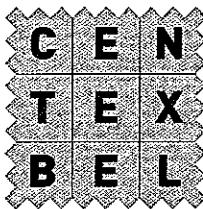
- Sample thickness : ≤ 5 mm
- The test specimens have not been cleaned nor submitted to an accelerated ageing procedure.

Conditioning

minimum 7 days at (23 ± 2) °C and (50 ± 5) % RH
or
until constant mass is achieved

	length		width	
	face A	face B	face A	face B
Hole formation due to melting	yes	yes	yes	yes
Max. afterflame time (s)	0	0	0	0
Afterglow	no	no	no	no
Afterglow with propagation in area > 25 cm	no	no	no	no
Damaged length (cm)	18	20,5	18,5	20,5
Damaged width in area > 45 cm (cm)	/	/	/	/
Flaming molten droplets	no	no	no	no
Non-flaming molten droplets	no	yes	yes	yes
Flaming debris	no	no	no	no
Non-flaming debris	no	no	yes	no
Average damaged length (cm)		19		

Performed under accreditation in the fire lab under the responsibility of Pros Van Hoeyland.



Reference : T912022 - Milan

NF P 92-504 (1995) - "Flame persistance test"
French decree from 21 November 2002 - Reaction to fire tests on interior materials

End of tests: 14 December 2009

- Sample thickness : ≤ 5 mm
- The test specimens have not been cleaned nor submitted to an accelerated ageing procedure.

Conditioning

minimum 7 days at (23 ± 2) °C and (50 ± 5) % RH

or

until constant mass is achieved

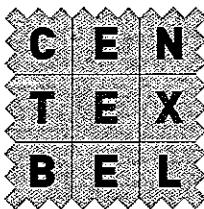
Each test has been carried out with a flame application time of 5s.

test	afterflame time (s)			
	1	2	3	4
1	*	*	*	*
2	*	*	*	*
3	*	*	*	*
4	*	*	*	*
5	*	*	*	*
6	*	*	*	*
7	*	*	*	*
8	*	*	*	*
9	*	*	*	*
10	*	*	*	*

- * afterflame time ≤ 2 s
- > 2 afterflame time > 2 s and ≤ 5 s
- > 5 afterflame time > 5 s

flaming debris : no
non-flaming debris : no

Performed under accreditation in the fire lab under the responsibility of Pros Van Hoeyland.



Reference : T912022 - Milan

NF P 92-505 (1995) - "Test for melting materials"
French decree from 21 November 2002 - Reaction to fire tests on interior materials

End of tests: 15 December 2009

- Sample thickness : ≤ 5 mm
- The test specimens have not been cleaned nor submitted to an accelerated ageing procedure.

Conditioning

minimum 7 days at (23 ± 2) °C and (50 ± 5) % RH

or

until constant mass is achieved

Melting behaviour

face A/face B	first ignition	non-flaming	flaming	ignition
	(s)	debris	debris	cotton wool
1	*	yes	no	no
2	*	yes	no	no
3	*	yes	no	no
4	*	yes	no	no

* no ignition

Conclusion:

M1

Performed under accreditation in the fire lab under the responsibility of Pros Van Hoeyland.