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**5753 AV DEURNE**  
**NEDERLAND**



**Your notice of**  
03-02-2017

**Your reference**

**Date**  
14-02-2017

## Analysis Report 17.00699.03

Required tests :

**BS 7176 (2007)**

Identification number	Information given by the client	Date of receipt
T1702663	100% PES-FR Namal7043 - col. 19	03-02-2017

Gina Créelle

Order responsible

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The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.  
In assessing compliance with the specifications, we did not take into account the uncertainty on the test results.

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**Reference: T1702663 - 100% PES-FR Namal7043 - col. 19**

**Specification for resistance to ignition of upholstered furniture for non-domestic seating by testing composites**

Product standard BS 7176 (2007)

**Tests**

EN 1021-1 / UK regulations cigarette Pass

EN 1021-2 / UK regulations match flame Pass

BS 5852 (2006) - crib ignition source no. 5 Pass

**Conclusion Passes the requirements of BS 7176 (2007) - medium hazard**

**Reference: T1702663 - 100% PES-FR Namal7043 - col. 19**

**Furniture - Assessment of the ignitability of upholstered furniture - Ignition source : smouldering cigarette**

Date of ending the test 06-02-2017  
 Standard used EN 1021-1 (2006)  
 Product standard BS 7176 (2007)  
 Deviation from the standard -  
 Conditioning 23°C, relative humidity 50%

The following test results relate only to the ignitability of the combination of materials under the particular conditions of test ; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Water soaking of the cover No  
 Filling SB 36140 (Recticel) \* - fire retardant foam -  $\pm 36 \text{ kg/m}^3$

\* The filling complies with schedule 1 part 1 of the UK Furniture and Furnishings (Fire) (Safety) Regulations 1988

	1	2
<b>Smouldering criteria</b>		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Smoulders more than 1 hour	no	no
Final examination / active smouldering	no	no
<b>Flaming criteria</b>		
Occurrence of flames	no	no
	non-ignition	non-ignition

**Conclusion Non-ignition**

Performed under accreditation in the fire lab under the responsibility of Nathan De Kock

**Reference: T1702663 - 100% PES-FR Namal7043 - col. 19**

**Furniture - Assessment of the ignitability of upholstered furniture – Ignition source : match flame equivalent**

Date of ending the test 06-02-2017  
 Standard used EN 1021-2 (2006)  
 Product standard BS 7176 (2007)  
 Deviation from the standard -  
 Conditioning 23°C, relative humidity 50%

The following test results relate only to the ignitability of the combination of materials under the particular conditions of test ; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Water soaking of the cover No  
 Filling SB 36140 (Recticel) \* - fire retardant foam - ± 36 kg/m<sup>3</sup>

\* The filling complies with schedule 1 part 1 of the UK Furniture and Furnishings (Fire) (Safety) Regulations 1988

Flame application time (s) 15

	1	2	3
<b>Smouldering criteria</b>			
Unsafe escalating combustion	no	no	no
Test assembly consumed	no	no	no
Smoulders to extremities	no	no	no
Smoulders through thickness	no	no	no
Smoke/heat/glowing more than 60 min min	no	no	no
Final examination / active smouldering	no	no	no
<b>Flaming criteria</b>			
Unsafe escalating combustion	no	no	no
Test assembly consumed	no	no	no
Flames to extremities	no	no	no
Flames through thickness	no	no	no
Flaming > 120 s	no	no	no
Afterflame time (s)	0	0	0
	non-ignition	non-ignition	non-ignition

**Conclusion Non-ignition**

Reference: T1702663 - 100% PES-FR Namal7043 - col. 19

**Assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources - crib ignition source no.5**

Date of ending the test 13-02-2017  
 Standard used BS 5852 (2006)  
 Product standard BS 7176 (2007)  
 Deviation from the standard -  
 Conditioning 23°C, relative humidity 50%

The following test results relate only to the ignitability of the combination of materials under the particular conditions of test ; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Water soaking of the cover No  
 Filling SB 36140 (Recticel) \* - fire retardant foam - ± 36 kg/m<sup>3</sup>

\* The filling complies with schedule 1 part 1 of the UK Furniture and Furnishings (Fire) (Safety) Regulations 1988

	1	2
<b>Smouldering criteria</b>		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoulders to extremities	no	no
Smoulders through thickness	no	no
Smoke, heat or glowing more than 1 hour	no	no
Smoulders more than 100 mm from source	no	no
<b>Flaming criteria</b>		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Flames to extremities	no	no
Flames through thickness	no	no
Flame time >10 min	no	no
Flame time	5 min 25 s	6 min 22 s
	non-ignition - NI/5	non-ignition - NI/5

**Conclusion Non-ignition - NI/5**