



Vescom bv
Sint-Jozefstraat 20
5753 AV DEURNE
Netherlands

Your notice of
12-07-2021

Your reference

Date
24-08-2021

Analysis Report 21.04596.05

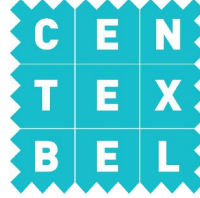
Required tests :

IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8 **Fire tests - Test for upholstered furniture - smouldering cigarette test**
IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8 **Fire tests - Test for upholstered furniture - Match flame equivalent**

Sample id	Information given by the client	Date of receipt
T2115717	Fuga 704725	12-07-2021

Petra Wittevrongel
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.

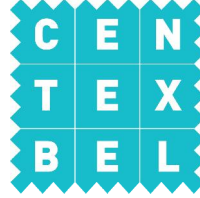


Reference: T2115717 - Fuga 704725

IMO upholstered furniture

Information given by the client

Type of furniture	Seat/sofa
Fabric	
Composition	100% PES-FR
Structure	Plain
Number of threads - warp	36/cm
Number of threads - weft	15/cm
Yarn count - warp	70/2
Yarn count - weft	3.6/1 + 3.2/1
Thickness in mm	1.8
Weight g/m ²	598
Colour	Brown
Inherently FR treated	yes



Reference: T2115717 - Fuga 704725

Fire tests - Test for upholstered furniture - smouldering cigarette test

Date of ending the test	03-08-2021
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Filling	SB 36140 (Recticel) - fire retardant foam - $\pm 36 \text{ kg/m}^3$
Dimension of the specimens	800 mm x 650 mm x 2 mm
Weight (g/m^2)	579

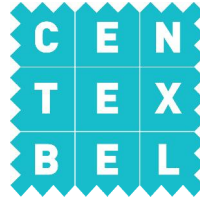
Ignition source: smouldering cigarette with the following specifications

Length: $(70 \pm 4) \text{ mm}$

Diameter: $(8.0 \pm 0.5) \text{ mm}$

Mass: $(0.95 \pm 0.15) \text{ g}$

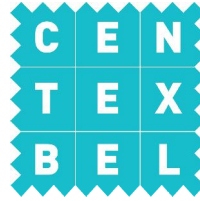
Smouldering rate: $(11.0 \pm 4.0) \text{ min} / 50 \text{ mm}$



	1	2
Smouldering criteria		
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
Flaming criteria		
Occurrence of flames	no	no
Additional observations		
Maximum extent of damage from the ignition source (mm)	10	10
	non-ignition	non-ignition

Conclusion Pass

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.



Reference: T2115717 - Fuga 704725

Fire tests - Test for upholstered furniture - Match flame equivalent

Date of ending the test	03-08-2021
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Filling	SB 36140 (Recticel) - fire retardant foam - $\pm 36 \text{ kg/m}^3$
Dimension of the specimens	800 mm x 650 mm x 2 mm
Weight (g/m ²)	579
Flame application time (s)	20

	1	2
Smouldering criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoke/heat/glowing more than 120 s	no	no
Final examination / active smouldering	no	no
Flaming criteria		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Flaming > 120 s	no	no
Afterflame time (s)	0	0
Additional observations		
Afterglow time (s)	0	0
Maximum extent of damage from the ignition source (mm)	30	25
	non-ignition	non-ignition

Conclusion Pass

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.