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**5048 CK TILBURG**  
**Netherlands**

**Your notice of**  
18-11-2022

**Your reference**

**Date**  
06-01-2023

## Analysis Report 22.06151.02

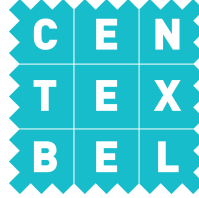
Required tests :

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

Sample id	Information given by the client	Date of receipt
T2222870	SUUNTA	18-11-2022

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.

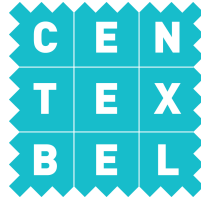


**Reference:** T2222870 - SUUNTA

**IMO upholstered furniture**

**Information given by the client**

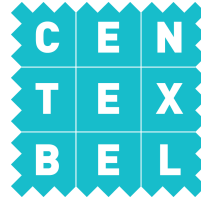
Type of furniture	Seat / sofa / office chair
<b>Fabric</b>	
Composition	Wool 35%, nylon 11%, recycled polyester 54%
Structure	Knitted
Number of threads - warp	NA
Number of threads - weft	NA
Yarn count - warp	Front: nm 28/1
Yarn count - weft	Back: PES 167 dtex
Thickness in mm	1 - 1.2
Weight g/m <sup>2</sup>	600
Colour	Red
Not FR treated	yes



**Reference: T2222870 - SUUNTA**

**Fire tests - Test for upholstered furniture - smouldering cigarette test**

Date of ending the test	16-12-2022
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Filling	T 23140 (Recticel) * - non-fire retardant foam - $\pm 22 \text{ kg/m}^3$ * standard non-FR PU-foam (as indicated in Appendix 2 and 3 of Part 8)
Dimension of the specimens	800 mm x 650 mm x 2 mm
Weight (g/m <sup>2</sup> )	461
Ignition source: smouldering cigarette with the following specifications	
Length: (70 $\pm$ 4) mm	
Diameter: (8.0 $\pm$ 0.5) mm	
Mass: (0.95 $\pm$ 0.15) g	
Smouldering rate: (11.0 $\pm$ 4.0) min / 50 mm	



	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
<b>Additional observations</b>		
Maximum extent of damage from the ignition source (mm)	0	0
	non-ignition	non-ignition

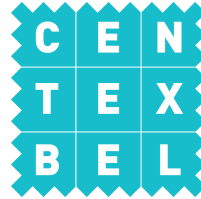
**Conclusion Pass**

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: T2222870 - SUUNTA**

**Fire tests - Test for upholstered furniture - Match flame equivalent**

Date of ending the test	05-01-2023
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Filling	T 23140 (Recticel) * - non-fire retardant foam - $\pm 22 \text{ kg/m}^3$ * standard non-FR PU-foam (as indicated in Appendix 2 and 3 of Part 8)
Dimension of the specimens	800 mm x 650 mm x 2 mm
Weight ( $\text{g/m}^2$ )	460
Flame application time (s)	20



	1	2
<b>Smouldering criteria</b>		
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
<b>Flaming criteria</b>		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Flaming > 120 s	no	no
Afterflame time (s)	0	0
<b>Additional observations</b>		
Afterglow time (s)	0	0
Maximum extent of damage from the ignition source (mm)	40	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.