



Aristide nv
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Your notice of
 25-11-2019

Your reference

Date
 13-01-2020

Analysis Report 19.06741.02

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**

Identification number	Information given by the client	Date of receipt
T1925924	CASTLE	25-11-2019

Petra Wittevrongel
 Order responsible

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Reference: T1925924 - CASTLE

IMO upholstered furniture

Information given by the client

Type of furniture Upholstery

Fabric

Composition Polyester

Structure Dolby

Number of threads - warp 13.2/cm

Number of threads - weft 7.5/cm

Yarn count - warp L6,8N

Yarn count - weft T5,4N

Thickness in mm 1

Weight g/m² 421

Colour Hazel

Treated with an FR finish/coating yes



Reference: T1925924 - CASTLE

Fire tests - Test for upholstered furniture - smouldering cigarette test

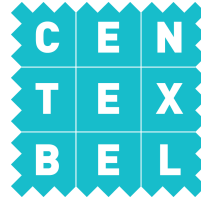
Date of ending the test 13-01-2020
Standard used IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8
Deviation from the standard -
Conditioning 23°C, relative humidity 50%

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.

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)

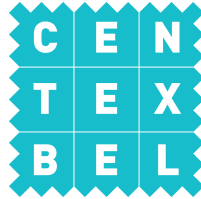
Ignition source: smouldering cigarette with the following specifications

Length: $(70 \pm 4) \text{ mm}$
Diameter: $(8.0 \pm 0.5) \text{ mm}$
Mass: $(0.95 \pm 0.15) \text{ mm}$
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
	non-ignition	non-ignition

Conclusion Pass



Reference: T1925924 - CASTLE

Fire tests - Test for upholstered furniture - Match flame equivalent

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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)	1	27
	non-ignition	non-ignition

Conclusion Pass