



Aristide nv
Dhr. Joris Paridaens
Nachtegalstraat 109
2550 KONTICH

Your notice of
 25-11-2019

Your reference

Date
 13-01-2020

Analysis Report 19.06741.01

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
T1925923	HULK	25-11-2019



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: T1925923 - HULK

IMO upholstered furniture

Information given by the client

Type of furniture	Upholstery
Fabric	
Composition	Polyester
Structure	Dolby
Number of threads - warp	65/cm
Number of threads - weft	11/cm
Yarn count - warp	150 D polyester
Yarn count - weft	4.5N polyester + 95 polyester + 105 polyester
Thickness in mm	1
Weight g/m ²	350
Colour	Almond
Treated with an FR finish/coating	yes



Reference: T1925923 - HULK

Fire tests - Test for upholstered furniture - smouldering cigarette test

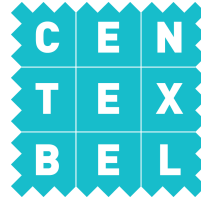
Date of ending the test 13-01-2020
Standard used IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8
Deviation from the standard -
Conditioning 23°C, relative humidity 50%

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

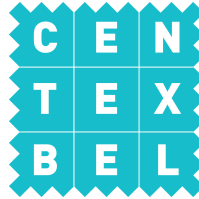
Length: $(70 \pm 4) \text{ mm}$
Diameter: $(8.0 \pm 0.5) \text{ mm}$
Mass: $(0.95 \pm 0.15) \text{ mm}$
Smouldering rate: $(11.0 \pm 4.0) \text{ min} / 50 \text{ mm}$



	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

cigarette fails to smoulder its complete length

Conclusion Pass



Reference: T1925923 - HULK

Fire tests - Test for upholstered furniture - Match flame equivalent

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* standard non-FR PU-foam (as indicated in Appendix 2 and 3 of Part 8)

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	1
	non-ignition	non-ignition

Conclusion Pass