



Kobefab International
De Vest 62
555XP Valkenswaard
Nederland

Your notice of
 18-09-2019

Your reference

Date
 25-10-2019

Analysis Report 19.05191.02

Modification of analysis report 19.05191.01, made on 26-09-2019

Required tests :

IMO - 2010 FTP Code Annex 1 -
Fire test procedures - Part 8
IMO - 2010 FTP Code Annex 1 -
Fire test procedures - Part 8

Fire tests - Test for upholstered furniture - smouldering
cigarette test
Fire tests - Test for upholstered furniture - Match flame
equivalent

Identification number	Information given by the client	Date of receipt
T1919845	BARIUM FR	18-09-2019



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.

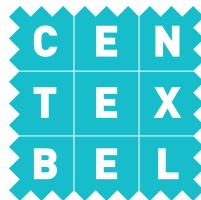


Reference: T1919845 - BARIUM FR

IMO upholstered furniture

Information given by the client

Type of furniture	Upholstery
Fabric	
Composition	Polyester
Structure	Plain
Number of threads - warp	33/cm
Number of threads - weft	8+8/cm
Yarn count - warp	700D
Yarn count - weft	700D+700D
Thickness in mm	0.9
Weight g/m ²	366
Colour	Beige
Treated with an FR finish/coating	yes



Reference: T1919845 - BARIUM FR

Fire tests - Test for upholstered furniture - smouldering cigarette test

Date of ending the test 25-09-2019
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 SB 36140 (Recticel) - fire retardant foam - $\pm 36 \text{ kg/m}^3$

Ignition source: smouldering cigarette with the following specifications

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

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

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

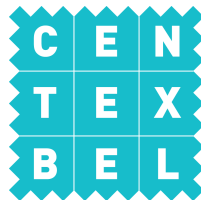
Smouldering rate: $(11.0 \pm 4.0) \text{ min} / 50 \text{ mm}$



	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: T1919845 - BARIUM FR

Fire tests - Test for upholstered furniture - Match flame equivalent

Date of ending the test 25-09-2019
Standard used IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8

Deviation from the standard -

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Filling SB 36140 (Recticel) - fire retardant foam - $\pm 36 \text{ kg/m}^3$

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)	16	0
	non-ignition	non-ignition

Conclusion Pass