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Your notice of
25-07-2017

Your reference

Date
05-09-2017

Analysis Report 17.04374.03

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**

Identification number	Information given by the client	Date of receipt
T1716187	Balta - 7040	25-07-2017

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.

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Reference: T1716187 - Balta - 7040

IMO upholstered furniture

Information given by the client

Type of furniture	Upholstery
Fabric	
Composition	80% Wo - 20% PA
Structure	Plain
Number of threads - warp	28
Number of threads - weft	24
Yarn count - warp	Nm 36/2 Wo/PA
Yarn count - weft	Nm 36/2 Wo/PA
Weight per unit area	309 g/m ²
Fire retardant treatment	No

Reference: T1716187 - Balta - 7040

Fire tests - Test for upholstered furniture - smouldering cigarette test

Date of ending the test 18-08-2017
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: T1716187 - Balta - 7040

Fire tests - Test for upholstered furniture - Match flame equivalent

Date of ending the test 18-08-2017
 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 - ± 36 kg/m³

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
	non-ignition	non-ignition

Conclusion Pass