



Vescom B.V.
Sint Jozefstraat 20
NL-5753 AV Deurne
Nederland

Your notice of
14-02-2022

Your reference

Date
14-03-2022

Analysis Report 22.00889.03

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

Sample id	Information given by the client	Date of receipt
T2203139	Auckland	14-02-2022

Gina Créelle
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: T2203139 - Auckland

IMO upholstered furniture

Information given by the client

Type of furniture	Seat / sofa
Fabric	
Composition	100% PES-FR
Structure	Weave
Number of threads - warp	35/cm
Number of threads - weft	19/cm
Yarn count - warp	70/2
Yarn count - weft	3.7 + 5/1 + 12/1
Thickness in mm	1.4
Weight g/m ²	499
Colour	Blue / orange
Inherently FR treated	yes

Reference: T2203139 - Auckland

Fire tests - Test for upholstered furniture - smouldering cigarette test

Date of ending the test	14-03-2022
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Filling	SB 36140 (Recticel) - fire retardant foam - $\pm 36 \text{ kg/m}^3$
Dimension of the specimens	800 mm x 650 mm x 2 mm
Weight (g/m ²)	494

Ignition source: smouldering cigarette with the following specifications

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

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

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

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
Additional observations		
Maximum extent of damage from the ignition source (mm)	5	5
	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: T2203139 - Auckland

Fire tests - Test for upholstered furniture - Match flame equivalent

Date of ending the test	14-03-2022
Standard used	IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 8
Deviation from the standard	-
Conditioning	23°C, relative humidity 50%
Filling	SB 36140 (Recticel) - fire retardant foam - $\pm 36 \text{ kg/m}^3$
Dimension of the specimens	800 mm x 650 mm x 2 mm
Weight (g/m ²)	494
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
Additional observations		
Afterglow time (s)	0	0
Maximum extent of damage from the ignition source (mm)	25	30
	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.