

**Oniro BV**  
**Woudenbergseweg 19C10**  
**2707 HW ZEIST**  
**Nederland**



**Your notice of**  
09-11-2016

**Your reference**  
4500273599

**Date**  
25-11-2016

## Analysis Report 16.05982.02

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
T1621940	PUxx Nr.2	09-11-2016

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: T1621940 - PUxx Nr.2**

**IMO upholstered furniture**

**Information given by the client**

**Fabric**

Composition	PES/COT PU coating
Structure	Knitted
Number of threads - warp	Nm 34
Number of threads - weft	Nm 34
Yarn count - warp	9
Yarn count - weft	21
Thickness in mm	0.80
Weight per unit area	540 g/m <sup>2</sup>
Colour	
Treated with an FR finish/coating	yes

**Reference: T1621940 - PUxx Nr.2**

**Fire tests - Test for upholstered furniture - smouldering cigarette test**

Date of ending the test	25-11-2016
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
<b>Smouldering criteria</b>		
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
<b>Flaming criteria</b>		
Occurence of flames	no	no
	non-ignition	non-ignition

# cigarette fails to smoulder its complete length

**Conclusion      Pass**

**Reference: T1621940 - PUxx Nr.2**

**Fire tests - Test for upholstered furniture - Match flame equivalent**

Date of ending the test 25-11-2016  
 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/m<sup>3</sup>

Flame application time (s) 20

	1	2
<b>Smouldering criteria</b>		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Smoke/heat/glowing more than 120 s min	no	no
Final examination / active smouldering	no	no
<b>Flaming criteria</b>		
Unsafe escalating combustion	no	no
Test assembly consumed	no	no
Flaming > 120 s	no	no
Afterflame time (s)	0	3
	non-ignition	non-ignition

**Conclusion Pass**