Analysis Report 18.04461.04

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
--- | --- | ---
T1818292 | Acton 7062 | 31-07-2018

Mieke Demeyer

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: T1818292 - Acton 7062

**IMO upholstered furniture**

**Information given by the client**
Type of furniture Upholstery

**Fabric**
Composition 100% PES (Trevira CS)
Structure Plain / weave
Number of threads - warp 16.2/cm
Number of threads - weft 16.2/cm
Yarn count - warp Nm 12.5 CS
Yarn count - weft Nm 100/2 CS ÷ Nm 3.2 CS
Thickness in mm 1.2
Weight per unit area 429 g/m²
Colour Grey
Inherently FR treated yes
Reference: T1818292 - Acton 7062

Fire tests - Test for upholstered furniture - smouldering cigarette test

Date of ending the test: 10-08-2018
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 (Rectigel) - fire retardant foam - ± 36 kg/m³

Ignition source: smouldering cigarette with the following specifications
Length: (70 ± 4) mm
Diameter: (8.0 ± 0.5) mm
Mass: (0.95 ± 0.15) mm
Smouldering rate: (11.0 ± 4.0) min / 50 mm

<table>
<thead>
<tr>
<th>Smouldering criteria</th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unsafe escalating combustion</td>
<td>no</td>
<td>no</td>
</tr>
<tr>
<td>Test assembly consumed</td>
<td>no</td>
<td>no</td>
</tr>
<tr>
<td>Smoulders to extremities</td>
<td>no</td>
<td>no</td>
</tr>
<tr>
<td>Smoulders through thickness</td>
<td>no</td>
<td>no</td>
</tr>
<tr>
<td>Smoulders more than 1 hour</td>
<td>no</td>
<td>no</td>
</tr>
<tr>
<td>Final examination / active smouldering</td>
<td>no</td>
<td>no</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flaming criteria</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Occurrence of flames</td>
<td>no</td>
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</tbody>
</table>

Conclusion: Pass

Performed under accreditation in the fire lab under the responsibility of Mieke Demeyer
Reference: T1818292 - Acton 7062

Fire tests - Test for upholstered furniture - Match flame equivalent

Date of ending the test 10-08-2018
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

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<td>no</td>
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<tr>
<td>Smoke/heat/glowing more than 120 s</td>
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<tr>
<td>Final examination / active smouldering</td>
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<td>Test assembly consumed</td>
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<td>no</td>
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<tr>
<td>Flaming &gt; 120 s</td>
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<tr>
<td>Afterflame time (s)</td>
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<tr>
<th></th>
<th>non-ignition</th>
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Conclusion Pass

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