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**5753 AV Deurne**  
**Nederland**



**Your notice of**  
 29-05-2017

**Your reference**

**Date**  
 13-06-2017

## Analysis Report 17.03152.02

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 |
|-----------------------|------------------------------------|-----------------|
| T1711604              | Deans 7048 - 100% PES (Trevira CS) | 29-05-2017      |

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.

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**Reference: T1711604 - Deans 7048 - 100% PES (Trevira CS)**

**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 | Nm 3.2 CS              |
| Number of threads - weft | Nm 13/1 CS + Nm 3.2 CS |
| Yarn count - warp        | 9                      |
| Yarn count - weft        | 18                     |
| Weight per unit area     | 624 g/m <sup>2</sup>   |
| Inherently FR treated    | yes                    |

**Reference: T1711604 - Deans 7048 - 100% PES (Trevira CS)**

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

Date of ending the test 12-06-2017  
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            |
|--|--------------|--------------|
| <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>                |              |              |
| Occurrence of flames                   | no           | no           |
|  |              |              |
|  | non-ignition | non-ignition |

**Conclusion      Pass**

**Reference: T1711604 - Deans 7048 - 100% PES (Trevira CS)**

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

Date of ending the test 12-06-2017  
 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/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     | 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            | 0            |
|  |              |              |
|  | non-ignition | non-ignition |

**Conclusion Pass**