**Vescom BV**
**Sint-Jozefstraat 20**
**5753 AV Deurne**
**Nederland**

| Your notice of | Your reference | Date |
|---|---|---|
| 09-12-2020 | | 08-02-2021 |

# Analysis Report 20.07562.03

Required tests :
**IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 7** **Fire Test Procedures - Test for vertically supported textiles and films**

| Sample id | Information given by the client | Date of receipt |
|---|---|---|
| T2026443 | Elara | 09-12-2020 |

Gina Créelle
Order responsible


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:** **T2026443 - Elara**

***IMO curtains***

**Information given by the client**

| | |
|---|---|
| Type of material | Drape |

**Fabric**

| | |
|---|---|
| Composition | 100% PES-FR |
| Structure | Weave |
| Number of threads - warp | - |
| Number of threads - weft | - |
| Yarn count - warp | - |
| Yarn count - weft | - |
| Thickness in mm | 0.3 |
| Weight g/m² | 112 |
| Colour | Reseda |
| Inherently FR treated | yes |
| Description of the coating | Not applicable |

**Reference:** **T2026443 - Elara**

***Fire Test Procedures - Test for vertically supported textiles and films***

| | |
|---|---|
| Date of ending the test | 05-02-2021 |
| Standard used | IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 7 |
| Deviation from the standard | - |
| Conditioning | Min 24 hours at 20°C and 65% RH |

The test specimens have not been cleaned nor submitted to an accelerated ageing procedure.

| | |
|---|---|
| Information given by the client | Face A ≠ face B |
| Dimension of the specimens | 220 mm x 170 mm x <1 mm |
| Weight (g/m²) | 114 |
| Flame application time (s) | 5 - 15 |

**Face A**

**Determination of the test conditions.**

Length

| | Surface | | Edge | |
|---|---|---|---|---|
| **Flame application time (s)** | **5** | **15** | **5** | **15** |
| **Afterflame time (s)** | 0 | 0 | 0 | 0 |
| **Surface flash** | no | no | no | no |
| **Edge reached** | no | no | no | no |
| **Ignition cotton wool** | no | no | no | no |
| **Maximum damaged length (mm)** | 31 | 34 | 26 | 49 |
| | | | | |
| **Additional observations** | | | | |
| **Non-flaming debris** | no | no | no | no |
| **Damaged width (mm)** | 16 | 17 | 18 | 20 |

No sustained ignition : testing continued under conditions showing the greatest damaged length.

Width

| | Surface | | Edge | |
|---|---|---|---|---|
| **Flame application time (s)** | **5** | **15** | **5** | **15** |
| **Afterflame time (s)** | 0 | 0 | 0 | 0 |
| **Surface flash** | no | no | no | no |
| **Edge reached** | no | no | no | no |
| **Ignition cotton wool** | no | no | no | no |
| **Maximum damaged length (mm)** | 35 | 36 | 41 | 46 |
| | | | | |
| **Additional observations** | | | | |
| **Non-flaming debris** | no | no | no | no |
| **Damaged width (mm)** | 15 | 19 | 19 | 21 |

No sustained ignition : testing continued under conditions showing the greatest damaged length.

**Worst testing conditions**

Length Edge - flame application time 15 s

| | 1 | 2 | 3 | 4 | 5 | Average |
|---|---|---|---|---|---|---|
| **Afterflame time (s)** | 0 | 0 | 0 | 0 | 0 | |
| **Surface flash** | no | no | no | no | no | |
| **Edge reached** | no | no | no | no | no | |
| **Ignition cotton wool** | no | no | no | no | no | |
| **Maximum damaged length (mm)** | 49 | 43 | 56 | 60 | 30 | 48 |
| | | | | | | |
| **Additional observations** | | | | | | |
| **Non-flaming debris** | no | no | no | no | no | |
| **Damaged width (mm)** | 20 | 23 | 23 | 20 | 18 | |

Width Edge - flame application time 15 s

| | 1 | 2 | 3 | 4 | 5 | Average |
|---|---|---|---|---|---|---|
| **Afterflame time (s)** | 0 | 0 | 0 | 0 | 0 | |
| **Surface flash** | no | no | no | no | no | |
| **Edge reached** | no | no | no | no | no | |
| **Ignition cotton wool** | no | no | no | no | no | |
| **Maximum damaged length (mm)** | 46 | 39 | 31 | 32 | 35 | 37 |
| | | | | | | |
| **Additional observations** | | | | | | |
| **Non-flaming debris** | no | no | no | no | no | |
| **Damaged width (mm)** | 21 | 21 | 17 | 18 | 20 | |

**Face B**

**Determination of the test conditions.**

Length

| | Surface | | Edge | |
|---|---|---|---|---|
| **Flame application time (s)** | **5** | **15** | **5** | **15** |
| **Afterflame time (s)** | 0 | 0 | 0 | 0 |
| **Surface flash** | no | no | no | no |
| **Edge reached** | no | no | no | no |
| **Ignition cotton wool** | no | no | no | no |
| **Maximum damaged length (mm)** | 30 | 34 | 27 | 26 |
| | | | | |
| **Additional observations** | | | | |
| **Non-flaming debris** | no | no | no | no |
| **Damaged width (mm)** | 15 | 16 | 20 | 20 |

No sustained ignition : testing continued under conditions showing the greatest damaged length.

Width

| | Surface | | Edge | |
|---|---|---|---|---|
| **Flame application time (s)** | **5** | **15** | **5** | **15** |
| **Afterflame time (s)** | 2 | 0 | 0 | 0 |
| **Surface flash** | no | no | no | no |
| **Edge reached** | no | no | no | no |
| **Ignition cotton wool** | no | no | no | no |
| **Maximum damaged length (mm)** | 35 | 31 | 35 | 45 |
| | | | | |
| **Additional observations** | | | | |
| **Non-flaming debris** | no | no | no | no |
| **Damaged width (mm)** | 25 | 15 | 19 | 22 |

No sustained ignition : testing continued under conditions showing the greatest damaged length.

**Worst testing conditions**

Length Surface - flame application time 15 s

| | 1 | 2 | 3 | 4 | 5 | Average |
|---|---|---|---|---|---|---|
| **Afterflame time (s)** | 0 | 0 | 0 | 0 | 0 | |
| **Surface flash** | no | no | no | no | no | |
| **Edge reached** | no | no | no | no | no | |
| **Ignition cotton wool** | no | no | no | no | no | |
| **Maximum damaged length (mm)** | 34 | 30 | 31 | 32 | 40 | 33 |
| | | | | | | |
| **Additional observations** | | | | | | |
| **Non-flaming debris** | no | no | no | no | no | |
| **Damaged width (mm)** | 16 | 18 | 15 | 16 | 18 | |

Width Edge - flame application time 15 s

| | 1 | 2 | 3 | 4 | 5 | Average |
|---|---|---|---|---|---|---|
| **Afterflame time (s)** | 0 | 0 | 0 | 0 | 0 | |
| **Surface flash** | no | no | no | no | no | |
| **Edge reached** | no | no | no | no | no | |
| **Ignition cotton wool** | no | no | no | no | no | |
| **Maximum damaged length (mm)** | 45 | 38 | 43 | 34 | 50 | 42 |
| | | | | | | |
| **Additional observations** | | | | | | |
| **Non-flaming debris** | no | no | no | no | no | |
| **Damaged width (mm)** | 22 | 17 | 18 | 19 | 18 | |

***Criteria for curtains and drapes***

1. Afterflame time ≤ 5s for any specimen tested with face ignition.
2. No flame propagation to the edges for any specimen tested with face ignition..
3. No ignition of the cotton wool for any specimen.
4. Average char length ≤ 150 mm in any of the batches tested with face or edge ignition.
5. No occurance of a surface flash more than 100 mm from the point of ignition.

Remark: If the test for length and/or width is carried out with edge ignition, the results obtained through the edge application are considered for the purposes of the criteria 1 and 2.

**The fabric passes the proposed criteria for curtains and drapes.**

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.