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



Your notice of 03-05-2017

**Your reference** 

Date 01-06-2017

# Analysis Report 17.02656.02

Required tests :

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

Identification	Information given by the client	Date of receipt
number		
T1709624	Formoza-8026	03-05-2017

Petra Wittevrongel

Order responsible

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Reference: T1709624 - Formoza-8026

## **IMO** curtains

# Information given by the client

Type of material

Curtain / drape

Fabric		
radric		
C	٠	

Composition Structure Number of threads - warp Number of threads - weft Yarn count - warp Yarn count - weft

Weight per unit area Inherently FR treated 100% PES Weave 68 53 Nm 450/1 CS Nm 450/3 CS + Nm 100/1 PES-FR + Nm 100/2 CS + Nm 50/8 CS 133 g/m<sup>2</sup> yes

## Reference: T1709624 - Formoza-8026

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

Date of ending the test Standard used	24-05-2017 IMO - 2010 FTP Code Annex 1 - Fire test procedures - Part 7
Deviation from the standard	-
Conditioning	20°C, relative humidity 65%

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.

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

Flame application time (s)	5 - 15
Weight (g/m <sup>2</sup> )	127
$A = f_{\rm max} + D = h_{\rm max} h_{\rm max}$	

A = front - B = back

## Face A

## Determination of the test conditions.

Length					
	Surf	ace A	Edge		
Flame application time (s)	5	5 15		15	
Afterflame time (s)	0	0	2	0	
Afterglow (s)	0	0	0	0	
Surface flash	no	no	no	no	
Edge reached	no	no	no	no	
Ignition	no	no	no	no	
cotton wool					
Maximum damaged length	32	36	56	36	
(mm)					

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

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Width

	Surfa	ace A	Edge		
Flame application time (s)	5	15	5	15	
Afterflame time (s)	0	0	0	0	
Afterglow (s)	0	0	0	0	
Surface flash	no	no	no	no	
Edge reached	no	no	no	no	
Ignition	no	no	no	no	
cotton wool					
Maximum damaged length	30	35	32	50	
(mm)					

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

# Worst testing conditions

Length Edge - flame application time 5 s

	1	2	3	4	5	Average
Afterflame time (s)	2	0	0	0	0	
Afterglow (s)	0	0	0	0	0	
Surface flash	no	no	no	no	no	
Edge reached	no	no	no	no	no	
Ignition	no	no	no	no	no	
cotton wool						
Maximum damaged length	56	37	44	38	37	42
(mm)						

Width Edge - flame application time 15 s

	1	2	3	4	5	Average
Afterflame time (s)	0	0	0	0	0	
Afterglow (s)	0	0	0	0	0	
Surface flash	no	no	no	no	no	
Edge reached	no	no	no	no	no	
Ignition	no	no	no	no	no	
cotton wool						
Maximum damaged length	50	47	46	54	46	49
(mm)						

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## Face B

## Determination of the test conditions.

Length

	Surfa	ace B	Edge		
Flame application time (s)	5	15	5	15	
Afterflame time (s)	0	0	2	0	
Afterglow (s)	0	0	0	0	
Surface flash	no	no	no	no	
Edge reached	no	no	no	no	
Ignition	no	no	no	no	
cotton wool					
Maximum damaged length	28	33	20	30	
(mm)					

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

Width

	Surfa	ice B	Edge		
Flame application time (s)	5	15	5	15	
Afterflame time (s)	0	0	2	0	
Afterglow (s)	0	0	0	0	
Surface flash	no	no	no	no	
Edge reached	no	no	no	no	
Ignition	no	no	no	no	
cotton wool					
Maximum damaged length	32	37	24	39	
(mm)					

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

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	1	2	3	4	5	Average
Afterflame time (s)	0	0	0	0	0	
Afterglow (s)	0	0	0	0	0	
Surface flash	no	no	no	no	no	
Edge reached	no	no	no	no	no	
Ignition	no	no	no	no	no	
cotton wool						
Maximum damaged length	33	34	32	36	34	34
(mm)						

### Length Surface - face B - flame application time 15 s

## Width Edge - flame application time 15 s

	1	2	3	4	5	Average
Afterflame time (s)	0	0	0	0	0	
Afterglow (s)	0	0	0	0	0	
Surface flash	no	no	no	no	no	
Edge reached	no	no	no	no	no	
Ignition	no	no	no	no	no	
cotton wool						
Maximum damaged length	39	48	60	50	45	48
(mm)						

## Criteria for curtains and drapes

- 1. Afterflame time  $\leq$  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  $\leq$  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.

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