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Nederland

Your notice of	**Your reference**	**Date**
03-05-2017		10-07-2017

Analysis Report 17.02652.17

Required tests :

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

Identification number	Information given by the client	Date of receipt
T1709592	Faray-8007-8058	03-05-2017

Petra Wittevrongel

Order responsible

Reference: T1709592 - Faray-8007-8058

IMO curtains

Information given by the client

Type of material	Curtain / drape

Fabric

Composition	100% PES
Structure	Weave
Number of threads - warp	70
Number of threads - weft	38
Yarn count - warp	Nm 100/1 CS
Yarn count - weft	Nm 40/2 CS + Nm 70/2 CS + Nm 60/2 CS
Weight per unit area	223 g/m²
Inherently FR treated	yes

Reference: T1709592 - Faray-8007-8058

<u>Fire Test Procedures - Test for vertically supported textiles and films</u>

Date of ending the test	29-06-2017
Standard used	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/m²)	216

A = front - B = back

Face A

Determination of the test conditions.

Length

	Surface 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 cotton wool	no	no	no	no
Maximum damaged length (mm)	38	69	32	40

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

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Width

	Surface 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 cotton wool	no	no	no	no
Maximum damaged length (mm)	31	30	40	42

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

Worst testing conditions

Length Surface - face A - 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 cotton wool	no	no	no	no	no	
Maximum damaged length (mm)	69	38	48	38	48	48

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 cotton wool	no	no	no	no	no	
Maximum damaged length (mm)	42	34	35	65	47	45

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Face B

Determination of the test conditions.

Length

	Surface B		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 cotton wool	no	no	no	no
Maximum damaged length (mm)	34	37	30	30

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

Width

	Surface B		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 cotton wool	no	no	no	no
Maximum damaged length (mm)	28	30	25	38

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

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Worst testing conditions

Length Surface - face B - 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 cotton wool	no	no	no	no	no	
Maximum damaged length (mm)	37	33	32	44	45	38

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 cotton wool	no	no	no	no	no	
Maximum damaged length (mm)	38	49	45	60	44	47

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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.

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