Report IMO FTP Code Part 7

Document number:	201901728	Report date:	5/06/2019
Fabric reference:	Sylon		
		Date analyses:	5/06/2019
Fabric reference:	100% polyester	Place analyses:	Labotex
		Date of request:	3/06/2019
		Samples received:	31/05/2019

Testing and conditioning in standard atmosphere, T (20+-2)°C and RH (65+-4)%

Specification | **Results** | **Remarks** | **!**

IMO fire test procedure

Resolution 2010
FTP Code Part 7

conditioning min 24h. in standard atmosphere
sample size: (220 x 170) mm
used gas: propane
flame height: 40 mm
flame application: 5s - 15s

The test specimen have not been cleaned nor submitted to an accelerated ageing process

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Indicative weight

159 g/m²

a. Determination of the worst testing conditions

	surface ignition		edge ignition	
warp	1	2	3	4
flame application time (s)	5	15	5	15
afterflame time (s)	0	0	0	25
surface flash	no	no	no	no
damaged length (mm)	0	0	0	0
edge reached	no	no	no	no
ignition of cotton wool	no	no	no	no
maximum damaged length (mm)	28	31	69	82

	surface ignition		edge ignition	
weft	1	2	3	4
flame application time (s)	5	15	5	15
afterflame time (s)	0	0	23	0
surface flash	no	no	no	no
damaged length (mm)	0	0	0	0
edge reached	no	no	no	no
ignition of cotton wool	no	no	no	yes
maximum damaged length (mm)	32	45	51	55

b. Worst testing conditions - warp (*)

	edge ignition				
warp	1	2	3	4	5
flame application time (s)	15	15	15	15	15
afterflame time (s)	0	0	0	12	0
surface flash	no	no	no	no	no
damaged length (mm)	0	0	0	0	0
edge reached	no	no	no	no	no
ignition of cotton wool	no	yes	no	no	no
maximum damaged length (mm)	35	58	57	108	49

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Specification **Results** **Remarks** **!**

c. Worst testing conditions - weft (*)

	edge ignition				
weft	1	2	3	4	5
flame application time (s)	15	15	15	15	15
afterflame time (s)	0	0	0	0	0
surface flash	no	no	no	no	no
damaged length (mm)	0	0	0	0	0
edge reached	no	no	no	no	no
ignition of cotton wool	no	yes	no	no	no
maximum damaged length (mm)	44	45	49	53	56

d. Criteria for curtains drapes

* afterflame time ≤ 5s for any specimen
* no flame propagation to the edges for any specimen
* no ignition of the cotton wool for any specimen
* average char length ≤ 150mm
* no occurance of a surface flash more than 100mm from the point of ignition

Pass
Fail x

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 sole criterion for assessing the potential fire hazard of the product in use.

Labotex certifies that the results mentioned in this report are obtained after testing in accordance with the procedure and equipment specified by the concerned standards, unless noted differently.



Joeri Neys - Laboratory Manager

Labotex has the competence to perform tests in accordance with the requirements of standard NBN EN ISO/IEC 17025. The scope of this accreditation can be obtained on request.
The results in this report only relate to the tested items.
Samples will be returned to the customer with the certificate, if possible. Samples will not be retained, unless specified by the customer. Retained samples will be kept for maximum one year unless a specific retention period is necessary.
This report can not be copied unless in its complete form and with written approval of Labotex (Kontich).
Sampling is performed by the costumer. Fabric analysed as received.
The uncertainty and the description of the methods are available at the lab on request.