



Report IMO res. A471/res. IMO A563 (BT)

IMO Res. MSC.61(67)-(FTP Code) Annex 1 Part 7
 IMO MSC/Circ. 1102
 IMO MCS/Circ. 1120

Document number:	<u>11-2326-IMO</u>	Report date:	<u>3/02/2012</u>
Fabric reference:	<u>Helio</u> <u>(beige-blue)</u>	Date analyses:	<u>3/02/2012</u>
		Place analyses:	<u>Labotex</u>
		Date of request:	<u>22/11/2011</u>
Customer:	<u>BRU Textiles</u> <u>Satenrozen 2A</u> <u>B-2550 Kontich</u>	Samples received	<u>22/11/2011</u>

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

(This report has been revised, the title has been changed)

Specification	Results	Remarks	!																																																																														
IMO fire test procedure Resolution A.471 <i>conditioning min. 24h in standard atmosphere</i> <i>sample size: (220x170)mm</i> <i>used gas: propane</i> <i>flame height: 40mm</i> <i>flame application: 5s - 15s</i>	<p><i>The test specimens have not been cleaned nor submitted to an accelerated ageing process</i></p> <p>a <u>Determination of the worst testing conditions</u></p> <table border="1"> <thead> <tr> <th rowspan="2">warp</th> <th colspan="2">surface ignition</th> <th colspan="2">edge ignition</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> </tr> </thead> <tbody> <tr> <td>flame application time (s)</td> <td>5</td> <td>15</td> <td>5</td> <td>15</td> </tr> <tr> <td>afterflame time (s)</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>surface flash</td> <td>no</td> <td>no</td> <td>no</td> <td>no</td> </tr> <tr> <td>edge reached</td> <td>no</td> <td>no</td> <td>no</td> <td>no</td> </tr> <tr> <td>ignition of cotton wool</td> <td>no</td> <td>no</td> <td>no</td> <td>no</td> </tr> <tr> <td>maximum damaged length (mm)</td> <td>52</td> <td>55</td> <td>39</td> <td>63</td> </tr> </tbody> </table> <p style="text-align: right;">(*)</p> <table border="1"> <thead> <tr> <th rowspan="2">warp</th> <th colspan="2">surface ignition</th> <th colspan="2">edge ignition</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> </tr> </thead> <tbody> <tr> <td>flame application time (s)</td> <td>5</td> <td>15</td> <td>5</td> <td>15</td> </tr> <tr> <td>afterflame time (s)</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>surface flash</td> <td>no</td> <td>no</td> <td>no</td> <td>no</td> </tr> <tr> <td>edge reached</td> <td>no</td> <td>no</td> <td>no</td> <td>no</td> </tr> <tr> <td>ignition of cotton wool</td> <td>no</td> <td>no</td> <td>no</td> <td>no</td> </tr> <tr> <td>maximum damaged length (mm)</td> <td>48</td> <td>48</td> <td>33</td> <td>65</td> </tr> </tbody> </table> <p style="text-align: right;">(*)</p>	warp	surface ignition		edge ignition		1	2	3	4	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 of cotton wool	no	no	no	no	maximum damaged length (mm)	52	55	39	63	warp	surface ignition		edge ignition		1	2	3	4	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 of cotton wool	no	no	no	no	maximum damaged length (mm)	48	48	33	65		<input type="checkbox"/>
warp	surface ignition		edge ignition																																																																														
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Specification	Results					Remarks	!	
b <u>Worst testing conditions - warp (*)</u>								
		edge ignition						
warp	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			
edge reached	no	no	no	no	no			
ignition of cotton wool	no	no	no	no	no			
maximum damaged length (mm)	37	52	59	54	34			
c <u>Worst testing conditions - weft (*)</u>								
		edge ignition						
warp	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			
edge reached	no	no	no	no	no			
ignition of cotton wool	no	no	no	no	no			
maximum damaged length (mm)	45	42	65	62	47			



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Specification	Results	Remarks	!
	<p>d <u>Criteria for curtains & drapes</u></p> <ul style="list-style-type: none"> * 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 occurrence of a surface flash more than 100mm from the point of ignition <p>Pass <u> x </u></p> <p>Fail <u> </u></p>		

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.

Elke Dierck - Technical Manager

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.