

Our Ref: SW/PN/JM

15 April 2016

Report 271464

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Contact: Philippe Debie

| | | |
|-----------------------|---|---------------|
| DATE RECEIVED | : | 29 APRIL 2016 |
| QUALITY REFERENCE | : | CORVO |
| REPUTED FIBRE CONTENT | : | NOT GIVEN |
| FABRIC DESCRIPTION | : | WOVEN |
| COLOUR/DESIGN | : | LIGHT GREY |

REQUEST: Fire tests according to IMO Resolution MSC 307(88) (2010 FTP Code) Part 7 Test for vertically supported textiles and films.

COMMENTS: On the basis of the test carried out, the sample submitted meets the flammability performance criteria for curtains and drapes outlined in IMO Resolution MSC 307(88) (2010 FTP Code) Part 7.



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LABORATORY DIRECTOR



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HEAD OF FLAMMABILITY

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Fire tests according to IMO Resolution MSC 307(88) (2010 FTP Code) Part 7
“Test for vertically supported textiles and films”.

Test procedure

The sample of fabric, Ref: Corvo was tested in accordance with the test method described in the above Resolution.

Requirements

Clause 3 ‘Performance Criteria for Curtains and Drapes’ states that products which show any of the following characteristics should be considered unsuitable for use as curtains, drapes or free-hanging fabric product for use in rooms containing furniture and furnishings of restricted fire risk, as defined in Regulation II-2of the Convention:.

1. An after-flame time greater than 5 sec for any of the 10 or more specimens tested with surface application of the pilot flame;
2. Burn through to any edge of any of the 10 or more specimens tested with surface application of the pilot flame;
3. Ignition of cotton wool below specimen in any of the 10 or more specimens tested;
4. An average char length, as determined by Appendix 2, in excess of 150mm in any of the batches of five specimens tested by either surface or edge ignition;
5. The occurrence of a surface flash propagating more than 100mm from the point of ignition with or without charring of the base fabric;

If it is found that either or both of the batches of five specimens cut in both warp and weft directions fail to meet one or more of the criteria specified in sub-paragraphs 1 to 3 and 5 above because of poor performance of only one of the five specimens tested, one complete re-test of a similar batch is permitted. Failure of the second batch to meet any of the criteria shall provide the basis for rejection of the fabric for use.

Conditioning

The sample was conditioned for a minimum of 24 hours in the standard atmosphere for conditioning textiles of $20 \pm 5^{\circ}\text{C}$ and $65 \pm 5\%$ r.h. prior to being tested.

The test was carried out in the ‘as received’ condition only.

Determination of mode of test:

| | Surface ignition | Edge ignition |
|-----------------------|------------------|---------------|
| 5s flame application | Ignition | No ignition |
| 15s flame application | No ignition | No ignition |

A 40mm high propane gas flame was applied to the face of warp and weft specimens for 5 seconds and the after-flame time, length of char, existence of surface flashing and the ignition of cotton wool from drops of flaming debris were recorded.

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Test Results

| Warp / Length | After flame (s) | Flame reach edge | Char length (mm) | Cotton wool ignited | Surface flash >100mm |
|---------------|-----------------|------------------|------------------|---------------------|----------------------|
| 1 | 2.0 | No | 112 | No | No |
| 2 | 1.8 | No | 76 | No | No |
| 3 | 1.2 | No | 98 | No | No |
| 4 | 1.3 | No | 89 | No | No |
| 5 | 0.0 | No | 120 | No | No |
| Mean | 1.5 | N/A | 99.0 | N/A | N/A |

| Weft / Width | After flame (s) | Flame reach edge | Char length (mm) | Cotton wool ignited | Surface flash >100mm |
|--------------|-----------------|------------------|------------------|---------------------|----------------------|
| 1 | 1.2 | No | 128 | No | No |
| 2 | 0.0 | No | 117 | No | No |
| 3 | 1.1 | No | 106 | No | No |
| 4 | 0.0 | No | 114 | No | No |
| 5 | 0.0 | No | 105 | No | No |
| Mean | 1.1 | N/A | 114.0 | N/A | N/A |

Comments

On the basis of the test carried out, the sample submitted meets the flammability performance criteria for curtains and drapes outlined in IMO Resolution MSC 307(88) (2010 FTP Code) Part 7.