

Client: Gabriel
Hjulgagervej 55
Postbox 59
DK-9100 Aalborg
Denmark

Entry No: 56671-01

Date received: 08/02/2013

Client's Description: Sample of fabric 13-245 Twist:- 60076 Light Grey

TEST REPORT

FIRE TESTS ACCORDING TO BS 476: PART 7: 1987 (AS AMENDED) (Method for classification of the surface spread of flame of products)

Date of Test: 18/02/13

Conditioning

The sample was conditioned to constant mass at a temperature of 23 +/- 2°C and a relative humidity of 50 +/- 10% and maintained in this condition until required for testing.

Procedure

The test was carried out in accordance with BS 476: Part 7: 1987. The sponsor sampled the material and the specimens were cut from the sample to the dimensions set out in the standard by the subcontractor. The specimens were tested stuck down onto 12 mm calcium silicate board using PVA adhesive.

The following were recorded:-

- the time at which the flame front crosses each vertical reference line;
- the maximum extent of flame spread during the first 1.5 min from the start of the test;
- the maximum extent of flame spread during the whole test i.e. 10 min or less (if applicable)
- the time (and distance) at which maximum flame spread is reached.

The flame spread at 1.5 min and the final flame spread results were compared with the standard class limits and a classification was assigned.

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This is hereby certified to be a correct return of the tests made of the items referred to herein.



Geoff Briggs C. Text., A.T.I.
Head of Laboratory
4th March 2013

- ❖ Unless instructed otherwise by the client sample remnants will be disposed of after 28 days
- ❖ This Certificate relates only to the sample received and, unless that sample has been drawn by the staff of this laboratory, or its agent, and endorsed accordingly, any application of the result to a bulk quantity or other material is entirely the responsibility of the client.



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Requirements

The class limits for flamespread, detailed in BS 476: Part 7: are set out below

	Flame spread at 1.5 min (mm)	Final flame spread (mm)
Class 1	165 (+ 25)	165 (+ 25)
Class 2	215 (+ 25)	455 (+ 45)
Class 3	265 (+ 25)	710 (+ 75)
Class 4	Exceeding Class 3 limits	

A definitive classification is based on a sample of six specimens and the figure in brackets gives the tolerance by which only one specimen in six may exceed the class limit assigned.

Results

The test results relate only to the behaviour of the test specimens of the product under the particular conditions of test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Time for flame Spread to reach (s) (mm)					Flame spread at 1.5 min (mm)	Maximum flame spread (mm)	Time to reach maximum flame spread (s)
165	215	265	455	710			
--	--	--	--	--	60	60	60
--	--	--	--	--	60	60	60
--	--	--	--	--	60	60	60
--	--	--	--	--	60	60	60
--	--	--	--	--	60	60	60
--	--	--	--	--	60	60	60

The results indicate that the sample met the performance requirements of Class I.

Observations

An estimation of uncertainty of measurement has not been taken into account when making a judgement to any pass/fail criteria.

Subcontracted test made by a UKAS Accredited Laboratory

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