BTTG FIRE TECHNOLOGY SERVICES

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Our Ref: 2700604C/06/06
Your Ref:
Order No: 34094

20 June 2006

Client: Vaveriet
SE-51492 Uddebo
SWEDEN

Job Title: **Fire Test**

Material Received: 2 June 2006

Description of Sample: One sample of fabric labelled: **Flex.**

Brief: Fire Technology Services were requested to carry out a fire test on the sample of fabric supplied to IMO Res A652 (16).

UKAS Accreditation: Our Laboratories are UKAS accredited. However, it should be noted that tests marked * are not UKAS accredited in this report. They are not included in the UKAS Accreditation Schedule for our laboratory, either due to the work not conforming fully to the standard (e.g. reduced number of specimens) or to it being outside the scope of our accreditation, or subcontracted.

Testing Atmosphere: Unless otherwise specified the sample has been conditioned and tested, where appropriate, in the standard atmosphere for conditioning and testing textiles (BS EN ISO 139:2005) of 65 ± 4% r.h. and 20 ± 2°C.

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FIRE TESTS ACCORDING TO IMO RESOLUTION A652 (16) ANNEX
Recommendation on Fire Test Procedures for Upholstered Furniture
Methods of test for the ignitability by smokers' materials of upholstered composites for seating
(Adopted on 6 November 1991)

Date of Test - 19/06/2006

Conditioning

Immediately prior to testing the sample was placed in indoor ambient conditions for 72 hours and then conditioned in a standard atmosphere of 20 ±5°C temperature and 50 ± 20% relative humidity for at least 16 hours.

The sample was tested in a room of volume 25m^3 and 25°C.

Procedure

The sample was tested in accordance with the above resolution using ignition sources 0 and 1. The sponsor sampled the material and the specimens were cut from the sample received to the dimensions set out in the standard.

The specimens were mounted over fillings of standard non-FR polyurethane foam of density about 22Kg/m^3.

Requirements

Ignition Source 0 — No progressive smouldering or flaming within one hour of the placement of the cigarette.

Ignition Source 1 — All progressive smouldering and flaming to cease within 120sec of removal of the burner tube.

Results

	Source 0		Source 1	
Time of ignition(s)	---	---	10	11
Time of extinction (Flame) (s)	---	---	21	21
Time of extinction (Smoke) (s)	1278	1800	37	36
Time of cover split(s)	DNS	DNS	8	DNS
Melting (Yes or No)	No	No	No	No
Dripping (Yes or No)	No	No	No	No
Charring (Yes or No)	Yes	Yes	Yes	Yes
Other phenomena	---	DNP, RL	---	---
Pass/Fail	Pass	Pass	Pass	Pass

DNS Material did not split
RL Re-Lit at 600 Seconds
DNP Cigarette did not propagate

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The test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Comments

The specimens were tested in the as received condition.

Conclusion

The sample was tested as stated according to the definition given in:

Regulation II-2/3.23.6 and X/3[x] of the International Convention for the Safety of Life at Sea, 1974 and its protocol of 1988: articles, annexes and certificates in effect from 1 January 2000.

Regulation II-2/3.40.6 and X/3[x] of the International Convention for the Safety of Life at Sea, 1974 and its protocol of 1988: articles, annexes and certificates, 2000 amendments.

[x] Regulation X/3 Safety measures for High Speed Craft. Chapter 7.4.3.3.4 of the 1994 HSC Code and 2000 HSC Code.

The above test results indicate that the sample met the performance requirements as stated in the International Code for Application of Fire Test Procedures (FTP Code)(Resolution MSC.61(67)) Annex 1 Part 8 Test for Upholstered furniture.

The information contained on page no's 1/3 of this certificate is hereby certified to be a correct statement of the tests and investigations carried out by the Advanced Materials Services on the materials referred to.

Signed B. Marsden Date 20/06/06
Mrs. B. Marsden
Fire Technician

Reported By M. Nunney Date 20.6.06
Mr M Nunney
Executive Manager