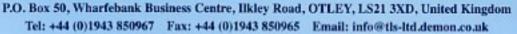


TEXTILE LABORATORY SERVICES LIMITED





Regd. Office: 3 Victoria Road, Guiseley, England - No.1966147

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TEST CERTIFICATE 31920/4

Testing to Schedule 1 Part 1 of the Furniture and Furnishings (Fire) (Safety) Regulations 1988 S.I. No. 1324 - Ignitability test for Foam

SAMPLE INFORMATION

Client Vita Cellular Foams (UK) Limited

Block Plant Oldham Road Middleton Manchester

Foam Reference HR 28100

Sample Received 11/1/2013

Descriptions are information supplied by the client

CONDITIONING

All materials used were conditioned and tested in the environments specified in Clause 5 of BS 5852 : 1990 Methods of test for the ignitability of upholstered composites for seating by flaming sources.

TESTING

Test results relate only to the sample tested. The material was tested according to BS 5852: Part 2: 1982 Methods of test for the ignitability of upholstered composites for seating by flaming sources against Ignition Source 5 under a cover fabric corresponding to the standard FR polyester woven fabric specified in the above regulations

The cover fabric used in this test differs slightly in some aspects of fabric construction from the requirements of Schedule 1 Part 1 Clause 2. However this fabric has performed its function correctly for many years. This statement conveys the best judgement of TLS but is not covered by UKAS accreditation.

It should be noted that the results of BS 5852: Part 2: 1982 relate only to the ignitability of the combination of materials under test; they are not intended as a means of assessing the full potential fire hazard of the materials in use

The test results are shown in the tables below

Specimen no Duration of:	1	2
Ignition source	8'40"	6'58"
Flames	7'45"	3'25"
Smoke (Time to extinction)	8'40"	6'58"
Mass loss (g) [Weighings to nearest 2.5g]	5 5	40
Melting	Yes	Yes
Dripping	Yes	Yes
Charring	Yes	Yes
Development of flames from smouldering	No	No
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Yes

Yes

No

P.O. Box 50, Wharfebank Business Centre, Ilkley Road, OTLEY, LS21 3XD, United Kingdom Tel: +44 (0)1943 850967 Fax: +44 (0)1943 850965 Email: info@tls-ltd.demon.co.uk



Yes

Yes

No

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Specimen no	1	2
Extent of damage (mm)		
Horizontal component		
Width - left crib edge to left edge of burn	120	90
Width - right crib edge to right edge of burn	120	90
Width - front crib edge to front edge of burn	150	120
Depth	>75	73
Vertical component		
Width - left crib edge to left edge of burn	90	70
Width - right crib edge to right edge of burn	90	70
Depth	55	65
Max char distance Smouldering criteria	150	120
Unsafe escalating combustion	No	No
Testing assembly consumed	No	No
Smoulders to extremities*	No	No
Smoulders through thickness*	Yes	No
Smoulders more than 1 hour	No	No
Char more than 100mm from source edge*	Yes	Yes
Flaming criteria Visible flames after 10 mins	No	No
Escalating flaming combustion	No	No
Testing assembly consumed	No	No
Flames to extremities*	No	No
Flames through thickness*	Yes	No
Progressive smouldering on final inspection	No	No
(All distance criteria exclude vertical)		

Any "Yes" in smouldering or flaming criteria = Ignition except that if due only to criteria marked * above and the mass loss is less than 60g the result is Non ignition.

Specimen result (Ignition or Non-ignition)

Non-Ignition

Non-Ignition

CONCLUSION

The foam meets the requirements of Schedule 1 Part 1 of the Furniture and Furnishings (Fire) (Safety) Regulations 1988

Signed...

hecked by:

J. M. Brown C Chem MRSC C Text FTI

Managing Director & Authorised Signatory

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