TEXTILE LABORATORY SERVICES LIMITED
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Regd. Office: 3 Victoria Road, Guiseley, England - No.1966147

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	**1**	**2**
Duration of:		
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]	**55**	**40**
Melting	Yes	Yes
Dripping	Yes	Yes
Charring	Yes	Yes
Development of flames from smouldering	No	No

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This is a UKAS accredited test certificate from Textile Laboratory Services [TLS] in PDF format. If confirmation of this certificate is required please fax TLS on [0044][0]1943 850 965

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	**150**	**120**
Smouldering criteria		
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... Checked by:

J. M. Brown C Chem MRSC C Text FTI
Managing Director & Authorised Signatory