



BUREAU
VERITAS

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TEST REPORT

Report Reference: TR3910/71775

Submitted By: SPECTRUM CONTRACT VINYL, 192 - 205 Cambridge
Heath Rd, London, E2 0EL, United Kingdom
F.A.O: Rob Baggs

Order Date: 10th November 2009

Order No: None Given

Date of Receipt: 13th November 2009

Items Tested: 3m Vinyl
Colour: Grape
Style No: None Given
End Use: None Given
Claimed: None Claimed

Specifications: Flammability Furniture Regulations 1988 section 4 of BS5852:1990
Assessment of the ignitability of upholstered seating by smouldering and
flaming source- Source 5 (Crib 5)

Test Request: The sample supplied is a Grape Vinyl fabric and has been tested using ignition
source 5 of BS 5852:1990 Methods of test for the ignitability of upholstered
composites for seating by flaming sources using source 5. Prior to testing, the
fabric was water soaked in accordance to BS5651:1989 Clause 3 and then it was
conditioned in indoor ambient conditioned for 72 hours and then in a standard
atmosphere having a temperature of 20±5°C and a relative humidity of 50±20%
rh for a minimum of 16 hours.

***Test was subcontracted out to a UKAS accredited laboratory**

The tests were carried out over combustion modified polyurethane foam with a density
of approximately 35kg/m³ reference RS35H.

It should be noted that the results of BS5852: part 2:1982 relate to 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 materials in use

**Comments on
Test Results:**

On the basis of the tests carried out as described, it is the opinion of this
laboratory that this fabric sample would meet the performance requirements of
The Furniture and Furnishings (Fire) (Safety) Regulations 1988, Schedule 1,
Part 1, when using ignition source 5 of BS 5852:1982 Part 2.

Authorised By:

Daniel Young BSc (Hons)

Issue Date: 25th November 2009

TEST REPORT

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Order No: None Given

Date of Receipt: 13th November 2009

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Style No: None Given
End Use: None Given
Claimed: None Claimed

Result:

*Test was subcontracted out to a UKAS accredited laboratory

Specimen No	1	2
Duration of:		
Ignition Source	6 min 58 sec	7 min 26 sec
Flames	4 min 30 sec	5 min 10 sec
Smoke	6 min 58 sec	7 min 26 sec
Time from start of:		
Cover split	did not split	did not split
Extinction	6 min 58 sec	7 min 26 sec
Melting	No	No
Dripping	No	No
Charring	Yes	Yes
Progressive smouldering on final inspection	No	No
Extent of Damage (mm)		
Horizontal component		
Width- left crib to left edge of burn	15	20
Width- right crib to right edge of burn	15	15
Width- front crib to frontedge of burn	15	15
Depth	35	30
Vertical Component		
Width- left crib to left edge of burn	20	25
Width- right crib to right edge of burn	20	15
Depth	30	30
Max char distance	35	30

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Result continues?:

*Test was subcontracted out to a UKAS accredited laboratory

Smouldering criteria		
Unsafe escalating combustion	No	No
Test assembly consumed	No	No
Smoulders to extremities	No	No
Smoulders through thickness	No	No
Smoulders more than 1 hour	No	No
Char more than 100mm from source edge	No	No
Flaming Criteria		
Visible flames after 10 minutes	No	No
Escalating Flaming Combustion	No	No
Test Assembly Consumed	No	No
Flaming to extremities	No	No
Flaming through thickness	No	No
Progressive smouldering on final inspection	No	No
Specimen Result	Non-ignition	Non-ignition

End result: Sample can be classed as NI/5

Authorised By: Daniel Young

Issue Date: 25th November 2009