



<b>Tested For:</b>	<b>Supplied by: Vyva Fabrics</b>	<b>Phone:</b>	<b>Received:</b> 3/7/2022
	TT. Vasumweg 140	<b>Fax:</b>	<b>Completed:</b> 3/11/2022
	1033 SH, Amsterdam	<b>Mobile:</b>	<b>Code:</b> Z
	The Netherlands	<b>PO#:</b> 122503	<b>Test Report:</b> 3-47151-0

**Key Test:** BS EN 1021-1: 2014

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**Client's Identification:**

Style: Econic. Composition: PVC / Recycled Polyester. Weight: 31 oz/54". Thickness: 42 mil. Product End Use: Upholstery.

LE 1021-1: V 7/21 DK PC: 24H /rb /dv

TEST PERFORMED: British Standard BS EN 1021-1: 2014 - Furniture - Assessment of the Ignitability of Upholstered Furniture, Part 1

IGNITION SOURCE: Smouldering Cigarette SRM 1196a

**TEST ITEM COMPOSITE:**

Client's Cover Fabric: (see "Client's Identification" section above)

Suggested Filling Material:

- Non flame retardant flexible polyether foam, 20-24 kg/m<sup>3</sup>
- Flame retardant polyurethane foam, 45 kg/m<sup>2</sup> (2.8 lbs./ft<sup>2</sup>), Code Red II 35
- Non-flame retardant flexible polyether foam, 20-24 kg/m<sup>3</sup>, wrapped with Sandel Style 12701-14502 fire blocking material (4.7 ± 0.5 oz/yd<sup>2</sup>)

COVER FABRIC WATER SOAKED PRIOR TO TESTING IN ACCORDANCE WITH ANNEX D:  Yes;  No

PRECONDITIONING: 24 hours at 23°C ± 2°C (73.4°F ± 2°F) and 50% ± 5% RH

BRIEF DESCRIPTION OF TEST: Test cushions are placed in a test frame to form a mockup of an upholstered chair. A lighted cigarette is placed in the crevice formed by the seat and back cushion. Test observations are made, and results are recorded.

JG

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	DETAILED RESULTS	
	Initial Test	Repeat Test
All smouldering (heat, smoke, or glowing) ceased after [mm:ss]:	23:40	25:16
Furthest extent of smouldering/flaming --		
Left of ignition source [mm]:	3	3
Right of ignition source [mm]:	1	1
Forward of ignition source [mm]:	3	4

IGNITION CRITERIA:	SUMMARY RESULTS	
	Initial Test (yes/no)	Repeat Test (yes/no)
Smouldering --		
Unsafe escalating combustion (3.1a):	No	No
Test assembly consumed (3.1b):	No	No
Smoulders to extremities (3.1c): [Left 190mm, Right 190mm, Forward 225mm]	No	No
Smoulders through thickness (3.1c):	No	No
Smoulders more than 1 hour (3.1d):	No	No
Smoulders, where upon final examination, evidence of active smouldering was apparent after the test specimen was dismantled and examined internally (3.1e, 9.3):	No	No
Flaming --		
Occurrence of flames (3.2):	No	No

**SUMMARY RESULTS EXPLAINED:** If "Yes" is entered for any category, the report must conclude that ignition did occur.

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**ABBREVIATIONS WHICH MAY BE USED:**

N/O = Not observed.  
 NT = Not tested.  
 EC = Escalating combustion (unsafe); test extinguished by technician at time noted.

**COMMENTS:**

- Replacement cigarette(s) not needed as all cigarettes burned their complete length.  
 Replacement cigarette used on:  initial test;  repeat test

**CONCLUSION:** The above Results indicate that:

- Ignition Criteria did not occur (favourable)  
 Ignition Criteria did occur (unfavourable)

Note: The subject test measures whether or not ignition occurs. The codes speak in terms of ignition resistance. Therefore, the conclusion "Ignition Criteria did not occur" is a favourable conclusion; and "Ignition Criteria did occur" is not a favourable conclusion.

**PROVISO:** The test conducted herein is based on a prototype composite using a candidate upholstery covering fabric and a standard filling material. The results displayed by the candidate upholstery fabric may differ when used in an actual item of upholstered furniture, since other variables may affect the fire performance properties. Other variables may consist of different filling materials; fire blocking materials; furniture geometry; and other furniture components.

The above 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.

**CERTIFICATION:** I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

DocuSigned by:

*Bobby Brown*

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3/15/2022

AUTHORIZED SIGNATURE  
 SGS NORTH AMERICA  
 /dv /tc

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