

**LANCASHIRE TESTING SERVICES LIMITED**

Lyon Road Industrial Estate : Kearsley : Bolton

Lancashire : BL4 8NB

Tel: +44 (0) 1204 792858

Email: enquiries@ltslab.co.uk

www.ltslab.co.uk

9630

TEST CERTIFICATE

| | | | |
|----------------|--|---|---------------------|
| CLIENT: | Supplied by: Vyva Fabrics TT. Vasumweg 140 1033 SH Amsterdam The Netherlands | Certificate Number: | UK1800424 -2 |
| | | Date Received: | 25/06/2018 |
| | | Date Issued: | 29/06/2018 |
| | | Issue Number: | 1 |
| | | Changes from previous issue (if applicable) | |
| Tel: | +31 (0) 20 659 9523 | | |
| Email: | info@vyvafabrics.nl | | |

SAMPLE IDENTIFICATION

Sample Name / Reference: Agua Fabrics Carmina
Order / Batch No: -
Customer: Vyva Fabrics
Fabric Composition: 100% Polyester
Colour: -
Quality: -
Width: -

SPECIFICATION

BS7176:2007 + A1:2011 - Medium Hazard

TEST METHOD

Flammability: BS EN 1021-1:2006 Part 1: Ignition source smouldering cigarette
BS EN 1021-2:2006 Part 2: Ignition source match flame equivalent
BS 5852:2006 Crib Ignition source 5
Pre-treatment: BS 5852:2006 Annex E - Water soaking procedure

Conclusion

The composite tested: **Does not comply** with the flammability requirements of:
BS 7176:2007 + A1:2011 Medium hazard, taking into account uncertainty of measurement.

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| Test Results:- | | | | | | |
|--|--|------------------------|------------------------|--------------|-----------------------|---|
| BS7176:2007 + A1:2001 - Medium Hazard - Specification for resistance to ignition of upholstered furniture for non-domestic seating by testing composites | | | | | | |
| <i>"The following 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."</i> | | | | | | |
| Sample Code | UK1800424 -2 | | | | | |
| Sample / Name Reference | Agua Fabrics Carmina | | | | | |
| Client | Vyva Fabrics | | | | | |
| Date of test | 29/06/2018 | | | | | |
| Pre-Treatment | BS 5852:2006 Annex E - Water soaking procedure Line Dried during at ambient temperature | | | | | |
| Filling Type | Carpenter/RX36110 CMHR polyurethane foam of approximate density 36Kg/m3 | | | | | |
| Size of test rig | Small: Back - 450 x 300 ± 2mm + Seat - 450 x 150 ± 2mm | | | | | |
| Test Conditions | Period h | Temperature °C | Relative humidity % | Air Flow m/s | Volume m ³ | |
| Conditioning of test specimens | ≥16 | 23±2 | 50±5 | - | - | |
| Testing conditions | - | 10-30 | 15-80 | 0.02-0.2 | >6 | |
| Testing Source | BS EN 1021-1:2006 Smouldering Cigarette Source | | | | | |
| Testing time limit | 60 minutes after placement of smouldering cigarette. | | | | | |
| Test No. | Position | Ignition/N on Ignition | Duration of: (min.sec) | | | Smouldering and flaming criteria exceeded: (If any) |
| | | | Ignition Source | Flames | Smoke | |
| 1 | RHS | NI | 22.10 | - | 24.54 | - |
| 2 | M | NI | 25.58 | - | 28.45 | - |
| 3 | - | - | - | - | - | - |
| Testing Source | | | | | | |
| BS EN 1021-2:2006 Match flame ignition source | | | | | | |
| Testing time limit | | | | | | |
| 2 minutes after removal of burner tube (120 seconds) | | | | | | |
| Test No. | Position | Ignition/N on Ignition | Duration of: (sec) | | | Smouldering and flaming criteria exceeded: (If any) |
| | | | Ignition Source | Flames | Smoke | |
| 1 | RHS | NI | 15 | 15 | 31 | - |
| 2 | M | NI | 15 | 15 | 36 | - |
| 3 | LHS | NI | 15 | 15 | 34 | - |
| RESULT: SMOULDERING CIGARETTE SOURCE | | | | | | PASS |
| MATCH FLAME IGNITION SOURCE | | | | | | PASS |
| KEY: I = Ignition, NI = Non Ignition, LHS = Left hand side, M = Middle, RHS = Right hand side | | | | | | |

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Issue Number: 1

This report relates only to the sample tested and does not guarantee the bulk of the material to be of equal quality

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TEST CERTIFICATE

Test Results:-**BS7176:2007 + A1:2001 - Medium Hazard - Specification for resistance to ignition of upholstered furniture for non-domestic seating by testing composites***"The following 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."*

| Sample Code | UK1800424 -2 | | | | | | | | | |
|---|--|-------------------------------|------------------------|--------------|-----------------------------------|--------|-------|-------------|-------|--|
| Sample Reference | Agua Fabrics Carmina | | | | | | | | | |
| Client | Vyva Fabrics | | | | | | | | | |
| Date of test | 29/06/2018 | | | | | | | | | |
| Pre-Treatment | BS 5852:2006 Annex E - Water soaking procedure Line Dried during day at ambient temperature | | | | | | | | | |
| Filling Type | Carpenter/RX36110 CMHR polyurethane foam of approximate density 36Kg/m3 | | | | | | | | | |
| Size of test rig | Large: Back - 450 x 450 ± 2mm + Seat - 450 x 300 ± 2mm | | | | | | | | | |
| Test Conditions | Period h | Temperature °C | Relative humidity % | Air Flow m/s | Volume m ³ | | | | | |
| Conditioning of test specimens | ≥16 | 0.0 | 0.0 | - | - | | | | | |
| Testing conditions | - | 10-30 | 15-80 | 0.02-0.2 | >20 | | | | | |
| Testing Source | BS 5852:2006 Crib Ignition source 5 | | | | | | | | | |
| Testing time limit | 10 minutes after ignition of crib. Observed for 60 minutes in total. | | | | | | | | | |
| Test No. | Position | Ignition/N on Ignition | Duration of: (min.sec) | | Extent of Damage to component: mm | | | | | |
| | | | Flames | Smoke | Horizontal | | | Vertical | | |
| | | | | | Width | Length | Depth | Width | Depth | |
| 1 | M | NI | 2.38 | 5.48 | 108 | 106 | 31 | 164 | 71 | |
| 2 | M | NI | 3.43 | 7.05 | 112 | 101 | 39 | 140 | 60 | |
| RESULT: | | CRIB IGNITION SOURCE 5 | | | | | | PASS | | |
| KEY: I = Ignition, NI = Non Ignition, LHS = Left hand side, M = Middle, RHS = Right hand side | | | | | | | | | | |

| Test No. | Time for: (sec) | | |
|----------|-------------------------|-----------------|------------|
| | Ignition of test pieces | Cover Splitting | Extinction |
| 1 | - | - | - |
| 2 | - | - | - |

On behalf of Lancashire Testing Services :

Tony Alcock,
Laboratory Technician:John Marsh,
Laboratory Technician:Peter Collings,
Operations Manager:

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Issue Number: 1

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