



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



TEST CERTIFICATE

CLIENT: Agua Fabrics Ltd Hyde House The Hyde London NW9 6LH -	Certificate Number: UK2000242 -1
	Date Received: 26/02/2020
	Date Issued: 04/03/2020
Contact: Suzanne Ralton	Issue Number: 1
Tel: 020820500050	Changes from previous issue (if applicable)
Email: suzanne@aguafabrics.com	

SAMPLE IDENTIFICATION

Sample Name / Reference:	Agua Fusion
Order / Batch No:	-
Customer:	Agua Fabrics Ltd
Fabric Composition:	2% Vinyl Acrylic, 74% PVC, 8% Cotton, 16% 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:	None Requested

Conclusion

The composite tested: **Complies** with the flammability requirements of:
BS 7176:2007 + A1:2011 Medium hazard, taking into account uncertainty of measurement.

Comments: The 3 cigarettes used in the tests did not burn to completion

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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	UK2000242 -1					
Sample / Name Reference	Agua Fusion					
Client	Agua Fabrics Ltd					
Date of test	04/03/2020					
Pre-Treatment	None Requested -					
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/ Non Ignition	Duration of: (min.sec)			Smouldering and flaming criteria exceeded: (If any)
			Ignition Source	Flames	Smoke	
1	RHS	NI	7.24	-	7.24	-
2	M	NI	8.12	-	8.12	-
3	LHS	NI	6.12	-	6.12	-
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/ Non Ignition	Duration of: (sec)			Smouldering and flaming criteria exceeded: (If any)
			Ignition Source	Flames	Smoke	
1	RHS	NI	15	15	40	-
2	M	NI	15	15	41	-
3	LHS	NI	15	15	40	-
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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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	UK2000242 -1									
Sample Reference	Agua Fusion									
Client	Agua Fabrics Ltd									
Date of test	04/03/2020									
Pre-Treatment	None Requested									
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	23±2	50±5	-	-					
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/ Non Ignition	Duration of: (min.sec)		Extent of Damage to component: mm					
			Flames	Smoke	Horizontal			Vertical		
					Width	Length	Depth	Width	Depth	
1	M	NI	3.46	8.42	86	91	41	106	49	
2	M	NI	3.25	7.24	94	88	45	119	45	
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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