Fire Test Certificate - Specimen

Fabric: Mercury
Type: BS5867 Part 2 Type B

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FLAMMABILITY TEST REPORT

Report No.: LEI25050117A **Date Received:** 01/05/25 **Date Tested:** 12/05/25 **Date Issued:** 12/05/25
Original

Sample Details

Order No.:	P49817
Description:	
Ref. / Style No.:	6904 6905
Colour:	0001
Quality:	Not stated
Colour:	Not stated
Supplier:	Not stated
Batch No.:	P4871301
End Use:	Drapery
No. Of Samples:	1
Quoted Fibre Composition:	100% Polyester
Retailer:	Not stated
Buying Division:	Not stated
Sample Description:	White and black coloured woven fabric

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Test Method	Pre Treatment	Flammability Performance Requirement	Result
BS 5867: Part 2: 2008	50 Cycles of BS EN ISO 10528 (Standard Washing Procedure) @ 75°C and then high heat tumble dried.	Type C	PASS

~~STEVEN OWEN~~ ~~(Technical & Operational Excellence Manager)~~

ANDREW HALLETT (Flammability Team Leader)

~~CAROLE SPOWART~~ ~~(Flammability Administrator)~~

~~TREFOR LEE~~ ~~(Senior Flammability Technician)~~

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Test Specification

Test Method:	BS 5867: Part 2: 2008 Type C using BS EN ISO 15025:2002 (With the modifications from clause 6.4 of BS 5867: Part 2: 2008).
Ignition Source:	25mm horizontal reach Propane gas flame
Ignition Type:	Surface
Flame Application Times:	5, 15, 20 & 30 Seconds
Sample Size:	200 x 160mm
Side Tested:	Face & Back

Uncertainty of Measurement

The uncertainty of measurement has been estimated to be 4.40%.

Pre-treatment / Durability procedure

50 Cycles of BS EN ISO 10528 (Standard Washing Procedure) @ 75°C and then high heat tumble dried.

Conditioning

Prior to Testing:	At least 24 hours in an atmosphere having a temperature of 20±2°C. and a relative humidity of 65±5%
At Time of Testing:	Temperature between 10°C & 30°C. Relative humidity between 15% & 80%

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Test Results

Report of tests carried out in accordance with BS EN ISO 15025:2002. The results may not apply to situations where there is restricted air supply or prolonged exposure to large sources of intense heat as in a conflagration.

Before wash

Sample No. / Direction	Afterflame (Secs)	Afterglow (Secs)	Combined Mean (Secs) Afterflame	Combined Mean (Secs) Afterglow	Flaming Debris	Flame to Edge	Hole to Edge
5 second flame application time							
1 Length (face)	0.0	0.0	0.0	0.0	No	No	No
2 Width (face)	0.0	0.0			No	No	No
3 Length (back)	0.0	0.0			No	No	No
4 Width (back)	0.0	0.0			No	No	No
15 second flame application time							
1 Length (face)	0.0	0.0	0.0	0.0	No	No	No
2 Width (face)	0.0	0.0			No	No	No
3 Length (back)	0.0	0.0			No	No	No
4 Width (back)	0.0	0.0			No	No	No
20 second flame application time							
1 Length (face)	0.0	0.0	0.0	0.0	No	No	No
2 Width (face)	0.0	0.0			No	No	No
3 Length (back)	0.0	0.0			No	No	No
4 Width (back)	0.0	0.0			No	No	No
30 second flame application time							
1 Length (face)	0.0	0.0	0.0	0.0	No	No	No
2 Width (face)	0.0	0.0			No	No	No
3 Length (back)	0.0	0.0			No	No	No
4 Width (back)	0.0	0.0			No	No	No

After wash

Sample No. / Direction	Afterflame (Secs)	Afterglow (Secs)	Combined Mean (Secs) Afterflame	Combined Mean (Secs) Afterglow	Flaming Debris	Flame to Edge	Hole to Edge
5 second flame application time							
1 Length (face)	0.0	0.0	0.0	0.0	No	No	No
2 Width (face)	0.0	0.0			No	No	No
3 Length (back)	0.0	0.0			No	No	No
4 Width (back)	0.0	0.0			No	No	No
15 second flame application time							
1 Length (face)	0.0	0.0	0.0	0.0	No	No	No
2 Width (face)	0.0	0.0			No	No	No
3 Length (back)	0.0	0.0			No	No	No
4 Width (back)	0.0	0.0			No	No	No
20 second flame application time							
1 Length (face)	0.0	0.0	0.0	0.0	No	No	No
2 Width (face)	0.0	0.0			No	No	No
3 Length (back)	0.0	0.0			No	No	No
4 Width (back)	0.0	0.0			No	No	No
30 second flame application time							
1 Length (face)	0.0	0.0	0.0	0.0	No	No	No
2 Width (face)	0.0	0.0			No	No	No
3 Length (back)	0.0	0.0			No	No	No
4 Width (back)	0.0	0.0			No	No	No

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Conclusions

The sample when tested meet the requirements of BS 5867: Part 2: 2008 Type C. **PASS.**

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The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of k = 2, providing a level of confidence of approximately 95 %. Unless otherwise specified all compliance and pass/fail statements are binary simple acceptance based on the tolerance interval and, with the exception of graded methods, a test uncertainty ratio greater (TUR) than 4:1. For graded methods the TUR will drop to as low as 0.5:1 when the tolerance limits are within a grade division of the upper scale limit. The Uncertainty budgets are stated for each Test method, these are for reference, and should be considered when results are on or close to Specification Limits / Requirements and in such cases it should be noted that the risk of false acceptance or rejection may be as high as 50%, for further information please refer to ILAC G8.

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