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FLAMMABILITY TEST REPORT

Report No.: LEI23030815A **Date Received:** 08/03/23 **Date Tested:** 10/03/23 **Date Issued:** 10/03/23
Original

Sample Details

Order No.:	Not stated
Description:	Warp Knitted Spacer
Ref. / Style No.:	N-03109-3200-M02-100130
Colour:	Scoured FR
Quality:	Not stated
Supplier:	HFL
Batch No.:	F301984
End Use:	Not stated
No. Of Samples:	1
Quoted Fibre Composition:	100% Polyester
Project No.:	Not stated
Retailer:	General
Specification No.:	Not stated
Sample Description:	White coloured knitted fabric with mesh

Test Method	Pre Treatment	Flammability Performance Requirement	Result
BS 5867: Part 2: 2008	The sample was tested without any form of cleansing or wetting procedure as requested by the customer.	Type B	**PASS**

Note: In accordance with clause 7 of BS 5867: Part 2: 2008 a fabric for which compliance with the requirements of this standard is claimed shall be supplied with the following information, the manufacturer's name, trademark or other identifying mark, the statement 'Flammability complies with the requirements of BS 5867: Part 2 Type B' and instructions on any special precautions to be taken concerning care (including cleansing) of the product, preferably using an appropriate care labelling symbol in accordance with BS EN ISO 3758 and taking account of the durability procedure used in this test.

Fabrics which are claimed to be treated with a non-durable flame-retardant finish may be tested without any form of cleansing or wetting procedure prior to testing if agreed between the parties involved. BS 5867: Part 2: 2008 states that if the fabric tested has not been subjected to any form of cleansing or wetting procedure prior to testing due to the fabric being treated with a non-d/urable flame retardant finish it is important that the fabric be clearly labelled as follows:
WARNING: IF WETTED IN ANY WAY IT IS ESSENTIAL TO RE-TREAT THE FABRIC TO MEET FLAMMABILITY REQUIREMENTS. Or:
WARNING : WETTING IN ANY WAY MIGHT REMOVE THE FIRE RESISTING QUALITIES OF THE FABRIC

~~STEVEN OWEN~~	ANDREW HALLETT	~~CAROLE SPOWART~~	~~GREGORY JAMES~~
~~(Technical & Operational Excellence Manager)~~	(Flammability Team Leader)	~~(Flammability Administrator)~~	~~(Flammability Technician)~~

ITS Testing Services (UK) Ltd
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Test Specification

Test Method:	BS 5867: Part 2: 2008 Type B using BS EN ISO 15025:2002 (With the modifications from clause 6.3.2 of BS 5867: Part 2: 2008).
Ignition Source:	25mm horizontal reach Propane gas flame
Ignition Type:	Surface
Flame Application Time:	15±1 seconds
Sample Size:	200 x 160mm
Side Tested:	Face

Uncertainty of Measurement

The uncertainty of measurement has been estimated to be 4.40%

Pre-Treatment / Durability Procedure

None

Conditioning

Prior to Testing:	At least 24 hours in an atmosphere having a temperature of 20±2°C. and a relative humidity of 60±5%
At Time of Testing:	Temperature between 15°C & 30°C. Relative humidity between 20% & 65%

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.

Sample No./ Direction	Duration of flaming (Secs)	Duration of afterglow (Secs)	Flaming debris	Flame to edge	Hole to edge	Maximum damaged length (mm)	
						Horizontal	Vertical
1. Length ↑	0.0	0.0	No	No	No	23	72
2. Length ↓	0.0	0.0	No	No	No	20	61
3. Length ↑	0.0	0.0	No	No	No	23	70
4. Width →	3.8	0.0	No	No	No	30	58
5. Width ←	0.0	0.0	No	No	No	21	56
6. Width →	0.0	0.0	No	No	No	20	60

Conclusions

When tested without any form of cleansing or wetting procedure the sample meets the flammability performance requirements of BS 5867: Part 2: 2008 Type B. **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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