

FLAMMABILITY TEST REPORT

Report No.: LEI22101993A **Date Received:** 21/10/22 **Date Tested:** 27/10/22 **Date Issued:** 27/10/22

Company Name & Address: DELIUS GMBH & CO. KG
GOLDSTR. 16-18
33602 BIELEFELD

Contact Name: PETRA BAUMHÖFNER

Sample Details

Order No.: 925
Sample Description: Not stated
Ref/Style No.: 24188
Colour.: 1119
Quality: Target
Supplier: Delius GmbH & Co. KG
Batch No.: Not stated
End Use: Drapes + curtains
No. Of Samples: 1
Quoted Fibre Composition: 100% polyester FR
Weight/Width: Approx. 106g/m² / approx. 150 cm
Retailer: Other Retailer
Buying Division: Not stated
Sample Description: Cream coloured woven fabric

| Test Method | Pre Treatment | Flammability Performance Requirement | Result |
|-----------------------|--|--------------------------------------|--------|
| BS 5867: Part 2: 2008 | 12 Cycles of BS EN ISO 10528 (Reduced Washing Procedure) @ 40°C and then line dried. | 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.



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(Technical & Operational Excellence Manager)

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(Flammability Team Leader)

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CAROLE SPOWART
(Flammability Technician)

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GREGORY JAMES
(Flammability Technician)

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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

12 Cycles of BS EN ISO 10528 (Reduced Washing Procedure) @ 40°C and then line dried.

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.

Test before pre-treatment

| 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 | 15 | 70 |
| 2. Length ↓ | 0.0 | 0.0 | No | No | No | 20 | 80 |
| 3. Length ↑ | 0.0 | 0.0 | No | No | No | 15 | 75 |
| 4. Width → | 0.0 | 0.0 | No | No | No | 20 | 75 |
| 5. Width ← | 0.0 | 0.0 | No | No | No | 18 | 85 |
| 6. Width → | 0.0 | 0.0 | No | No | No | 18 | 85 |

Test after pre-treatment

| 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 | 15 | 65 |
| 2. Length ↓ | 0.0 | 0.0 | No | No | No | 15 | 70 |
| 3. Length ↑ | 0.0 | 0.0 | No | No | No | 18 | 70 |
| 4. Width → | 0.0 | 0.0 | No | No | No | 18 | 80 |
| 5. Width ← | 0.0 | 0.0 | No | No | No | 20 | 85 |
| 6. Width → | 0.0 | 0.0 | No | No | No | 25 | 85 |

Conclusions

When tested before and after the durability procedure detailed above 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.