





FLAMMABILITY TEST REPORT

Original

Company Name & Address: DELIUS GMBH & CO. KG

GOLDSTR. 16-18 33602 BIELEFELD

Contact Name: PETRA BAUMHÖFNER

Sample Details

Order No.: 1026
Sample Description: Not stated
Ref/Style No.: 61000383
Colour.: Not stated
Quality: Connor

Supplier: Delius GmbH & Co. KG

Batch No.: Not stated

End Use: Drapes and curtains

No. Of Samples:

Quoted Fibre Composition: 100% Polyester FR
Weight/Width: Approx. 350g/ m² / 140 cm

Retailer: Other Retailer Buying Division: Not stated

Sample Description: Grey and cream coloured woven fabric

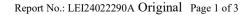
| Test Method | Pre Treatment | Requirement | Result |
|---|---------------|--|-------------|
| BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5 | None | As BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5 | NI/5 (PASS) |

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(Technical, Quality & Systems Director)

ANDREW HALLETT (Flammability Team Leader)

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(Flammability
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Test Specification

Test Method: BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5

Uncertainty of Measurement

The uncertainty of measurement has been estimated to be 5.99%

Foam specification

Supplier / Grade: Carpenter / RX36110

Size: 450 x 450 x 75mm (back) & 450 x 300 x 75mm (seat)

Density / Hardness: $36\text{kg/m}^3 \pm 5\% / 105\text{N} \pm 15\%$

Conditioning

Prior to Testing: At least 72 hours in ambient indoor conditions, then at least 24 hours in an atmosphere having a

temperature of $23 \pm 2^{\circ} C$ and a relative humidity of $50 \pm 5\%$

At Time of Testing: Temperature of 10 °C to 30 °C and a relative humidity of 15 % to 80 %

Test Results

"The following test results relate only to the ignitability of the combination of upholstery composites (BS 5852: 2006, Clause 11) under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use";

| use"; | | | | | | | | |
|--|---|-----|---|-----|--|--|--|--|
| Test number / position | 1 | 1 | 2 | | | | | |
| Criterion of Ignition | | | | | | | | |
| Smouldering Criteria | | | | | | | | |
| Externally detectable amounts of smoke, heat or glowing 60 minutes after crib ignition | No | | No | | | | | |
| Escalating smouldering behaviour rendered the test unsafe to continue and required forcible extinction | No | | No | | | | | |
| Smouldering essentially consumed the test specimen within the duration of the test / Smouldering reached the extremities of the test specimen (Other than the top of the vertical part of the test specimen) within the duration of the test | No | | No | | | | | |
| Flaming Failure | | | | | | | | |
| The test specimen continued to flame for more than 10 minutes after the ignition of the crib | No | | No | | | | | |
| Escalating combustion behaviour rendered the test unsafe to continue and required forcible extinction | No | | No | | | | | |
| Flaming essentially consumed the test specimen within the duration of the test | No | | No | | | | | |
| Flaming reached the extremities of the test specimen (Other than the top of the vertical part of the test specimen) within the duration of the test | No | | No | | | | | |
| Debris from the test specimen caused an isolated floor fire that continued to flame for more than 10 minutes after the ignition of the crib | No | | No | | | | | |
| Final Examination | | | | | | | | |
| Progressive smouldering was observed when the sample was dismantled | No | | No | | | | | |
| Evidence of charring within the filling (other than discolouration) more than 100mm in any direction, apart from upwards, from the nearest part of the original position of the ignition source | No | | No | | | | | |
| Time to extinction of flames after crib ignition | 8 Minutes 23 Seconds | | 5 Minute 36 Seconds | | | | | |
| Time to extinction of glowing after crib ignition | Due to the position of the crib within the test specimen it was not possible to see when glowing ceased | | Due to the position of the crib within the test specimen it was not possible to see when glowing ceased | | | | | |
| Time to extinction of smoke after crib ignition | Due to the amount of smoke in the test enclosure it was not possible to see when smoking ceased. | | Due to the amount of smoke in the test enclosure it was not possible to see when smoking ceased. | | | | | |
| Maximum extent of damage to back (mm) Length / Width | 400 | 150 | 400 | 179 | | | | |
| Maximum extent of damage to base (mm) Length / Width | 165 | 244 | 145 | 206 | | | | |
| Test Result | NI/5 (PASS) NI/5 (PASS) | | | | | | | |
| Ignitability performance index: "Clause 11 - NI/5" | | | | | | | | |

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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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