

FLAMMABILITY TEST REPORT

Report No.: LEI24022290A **Date Received:** 29/02/24 **Date Tested:** 06/02/24 **Date Issued:** 06/02/24
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: 1
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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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: 36kg/m³ ± 5% / 105N ± 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 ± 2°C and a relative humidity of 50 ± 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";

Test number / position	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)	
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.