

FLAMMABILITY TEST REPORT

Report No.: LEI25051615A **Date Received:** 16/05/25 **Date Tested:** 22/05/25 **Date Issued:** 22/05/25
Original

Company Name & Address: ENGLISCH DEKOR HANDELS GMBH&CO KG
SCHEYDGASSE 29
1210 VIENNA
AUSTRIA

Contact Name: CHRISTINE JOST

Sample Details

Order No.: Not stated
Description: Upholstery FR "planet"
Ref./Style No.: Not stated
Colour: Valid for all colours
Quality: Upholstery FR "planet"
Supplier: Not stated
Batch No.: Not stated
End Use: Not stated
No. Of Samples: Not stated
Quoted Fibre Composition: 80% PVC, 9% PES FR, 9% CO, 2% PAN
Weight / Width: 720g/m2
Retailer: General
Sample Description: White coloured knitted fabric with brown coloured coating

Test Method	Pre Treatment	Requirement	Result
BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	Watersoak as Annex E of BS 5852: 2006	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	3 Minutes 48 Seconds		4 Minutes 53 Seconds	
Time to extinction of glowing after crib ignition	7 Minutes 8 Seconds		6 Minutes 52 Seconds	
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	92	400	103
Maximum extent of damage to base (mm) Length / Width	70	95	63	92
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.