

FLAMMABILITY TEST REPORT

Report No.: LEI21061907A **Date Received:** 18/06/21 **Date Tested:** 24/06/21 **Date Issued:** 24/06/21

Company Name & Address: EUROFOAM POLSKA SP. Z O.O.
95-100 ZGIERZ,
SZCZAWINSKA 42,
POLAND

Contact Name: RYSZARD JANISZEWSKI

Sample Details

Reference No.: Not stated
Order No.: Not stated
Sample Details: PUR Foam RF35120, density 35kg/m³, hardness 120N, run Q1118, foaming 01.06.2021, cutting 11.06.2021, packaging 11.06.2021
Batch No.: Run Q1118 / foaming 01.06.2021
Quality: RF35120
Colour: White
Supplier: Eurofoam Polska Sp. z o.o.
Intended Use: For furniture or mattress
Quoted Fibre Composition: N/A
Retailer: IKEA and other
Buying Division: Not stated
Sample Description: White coloured polyurethane foam

Test Method	Pre Treatment	Flammability Performance Requirements	Result
BS 5852: Part 2: 1982, Ignition source 5 (Crib 5) as modified by Schedule 1 Part 1 of the Furniture & Furnishings (Fire) (Safety) Regulations 1988 (As Amended).	None	As Schedule 1 Part 1 (Ignition test for polyurethane foam in slab or cushion form) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended).	Complies



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(Technical & Operational Excellence Manager)

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ANDREW HALLETT
(Flammability Team Leader)

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CAROLE SPOWART
(Flammability Administrator)

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GREGORY JAMES
(Flammability Technician)

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Filling Specification

Filling Type: Polyurethane Foam
Density / Hardness: 35kg/m³ / 120N
Cover Fabric: Standard test fabric as detailed in Schedule 1 Part 1 of The Furniture (Fire) (Safety) Regulations 1988 (as amended).

Uncertainty of Measurement

The uncertainty of measurement has been estimated to be 5.99%

Conditioning

Prior to Testing: At least 72 hours in ambient indoor conditions, then at least 16 hours in an atmosphere having a temperature of 20±5°C and a relative humidity of 50±20%
At Time of Testing: Temperature between 15°C & 30°C. Relative humidity between 20% & 70%

Test Results

"The following test results relate only to the ignitability of the combination of upholstery composites under the particular conditions of test; they are not intended as a means of assessing the fully potential fire hazard of the materials in use."

Pass / Fail Criteria	Initial test	Repeat test
Progressive smouldering failure		
Externally detectable amounts of smoke, heat or glowing 60 min 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	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
Final examination		
Progressive smouldering was observed when the sample was dismantled	No	No
Comments		
Time to extinction of flames after crib ignition	3 Minutes 34 Seconds	3 Minutes 25 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	400 130	400 113
Maximum extent of damage to base (mm) Length / Width	94 141	107 143
The resultant mass loss exceeded 60g	No (33g)	No (27g)
Test Result	PASS	PASS

Conclusions

The sample tested meets the requirements of Schedule 1 Part 1 (Ignition test for polyurethane foam in slab or cushion form) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended). **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.