

FLAMMABILITY TEST REPORT

Report No.: LEI23102296A
Original

Date Received: 27/10/23

Date Tested: 02/11/23

Date Issued: 02/11/23

Company Name & Address: TRENTSIDE PRODUCTS LTD
UNIT 1 MAYCROFT GARDENS
HUTHWAITE
NG17 2TL

Contact Name: JADE CLARK

Sample Details

Order: Not stated
Description: TRENTEX
Ref. / Style No.: Not stated
Colour: MUSHROOM 110gsm
Quality: Not stated
Supplier: Not stated
Batch No.: Not stated
End Use: Not stated
Quoted Fibre Composition: Not stated
Number of Samples: Not stated
Retailer: Not stated
Specification No.: Not stated
Sample Description: Beige / grey coloured nonwoven material

Test Method	Pre Treatment	Requirement	Result
BS 5852: Part 1: 1979, Ignition source 0 (Cigarette).	None	Compliance with Schedule 4 Part 2 (Cigarette test for invisible parts) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended).	Complies
BS 5852: Part 1: 1979, Ignition source 1 (Match)	None	Compliance with Schedule 5 Part 3 (Match test for invisible parts) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended).	Complies

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Test Specification

Test method	BS 5852: Part 1: 1979 as modified by Schedule 4 Part 2 & Schedule 5 Part 3 of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended).
Ignition Source:	Ignition source 0: Filterless cigarette Ignition source 1: Butane Gas flowing at 45ml/min @ 25°C.
Flame application time:	20±1 seconds
Side tested:	Face

Uncertainty of Measurement

The uncertainty of measurement for Schedule 4 Part 2 source 0 has been estimated to be 0.03%
The uncertainty of measurement for Schedule 5 Part 3 source 1 has been estimated to be 5.43%

Filling Specification

Filling type:	Polyurethane foam
Supplier / grade:	Carpenter / RX25140 combustion modified
Size:	450 x 300 x 75mm (back) & 450 x 150 x 75mm (seat)
Density / Hardness:	24-26 kg/m ³ / 120-160N

Pre-treatment / Durability procedure

None

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 combinations of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use."

Ignition source 0 (Test 1):	The cigarette burnt out within 19 minutes, there was no flaming or progressive smouldering. (Pass)
Ignition source 0 (Test 2):	The cigarette burnt out within 20 minutes, there was no flaming or progressive smouldering. (Pass)
Ignition source 1 (Test 1):	Flaming ceased with the removal of the burner, there was no progressive smouldering. (Pass)
Ignition source 1 (Test 2):	Flaming ceased with the removal of the burner, there was no progressive smouldering. (Pass)

Conclusions

The composite tested meets the requirements of Schedule 4 Part 2 (Cigarette test for invisible parts) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended). **PASS.**

The fabric tested meets the requirements of Schedule 5 Part 3 (Match test for invisible parts) 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.