

FLAMMABILITY TEST REPORT

Report No.: LEI21110335A **Date Received:** 03/11/21 **Date Tested:** 09/11/21 **Date Issued:** 09/11/21

Company Name & Address: BRU TEXTILES
SATENROZEN 2A
2550 KONTICH


Contact Name: JOKE / KIM / TINEKE

Sample Details

Order No.: Not stated
Description: Not stated
Ref/Style No.: Not stated
Batch No.: Not stated
Quality: Omni FP
Colour: Not stated
Supplier: Not stated
Intended Use: Not stated
Quoted Fibre Content: Not stated
Retailer: Not stated
Specification No.: Not stated
Sample Description: Beige, cream and grey coloured woven fabric

Test Method	Pre Treatment	Requirement	Result
BS EN 1021-1: 2014 (Cigarette Test)	Watersoak as Annex D of BS EN 1021-1:2014	As BS EN 1021-1: 2014 (Cigarette Test)	Non Ignition (PASS)
BS EN 1021-2:2014 (Match Flame Equivalent)	Watersoak as Annex D of BS EN 1021-1:2014	As BS EN 1021-2:2014 (Match Flame Equivalent)	Non Ignition (PASS)

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~~STEVEN OWEN~~
(~~Technical & Operational~~
~~Excellence Manager~~)


.....
ANDREW HALLETT
(Flammability Team Leader)

.....
~~CAROLE SPOWART~~
(~~Flammability~~
~~Administrator~~)

.....
~~GREGORY JAMES~~
(~~Flammability Technician~~)

FLAMMABILITY TEST REPORT

Test Specification

Test Method: BS EN 1021-1: 2014 (Cigarette test)
Ignition Source: Source 0: Filterless Cigarette
Side Tested: Face

Filling Specification

Filling Type: Polyurethane foam
Supplier / Grade: Carpenter / RP21130 Unmodified
Size: 450 X 300 X 75mm (back) & 450 X 150 X 75mm (seat)
Density / Hardness: 20-22 kg/m³ / Type B, 130N

Uncertainty of Measurement

The uncertainty of measurement has been estimated to be 0.03%

Pre-treatment / Durability procedure

Watersoak as Annex D of BS EN 1021-1:2014

Conditioning

Prior to testing: 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

Cigarette Test

Test number / position	1	2
Criterion of ignition		
Smouldering Criteria		
Unsafe escalating combustion (3.1a)	No	No
Test assembly consumed (3.1b)	No	No
Smoulders to extremities (3.1c)	No	No
Smoulders more than 1 hour (3.1d)	No	No
In final examination, presence of active smouldering (3.1e)	No	No
Occurrence of flames (3.2)	No	No
Comments		
Flaming ceased	-	-
Sample glowing ceased	-	-
Smoke ceased	< 28 Minutes	< 29 Minutes
Result (Ignition / Non Ignition)	NI	NI

"The above 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."

FLAMMABILITY TEST REPORT

Test Specification

Test Method: BS EN 1021-2: 2014 (Match Flame Equivalent)
Ignition Source: Source 1: Butane Gas flowing at 45ml/min
Side Tested: Face

Filling Specification

Filling Type: Polyurethane foam
Supplier / Grade: Carpenter / RP21130 Unmodified
Size: 450 X 300 X 75mm (back) & 450 X 150 X 75mm (seat)
Density / Hardness: 20-22 kg/m³ / Type B, 130N

Uncertainty of Measurement

The uncertainty of measurement has been estimated to be 5.43%

Pre-treatment / Durability procedure

Watersoak as Annex D of BS EN 1021-2:2014

Conditioning

Prior to testing: 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 %

Match flame equivalent

Test number / position	1	2	3
Criterion of ignition			
Smouldering Criteria			
Unsafe escalating combustion (3.1a)	No	No	No
Test assembly consumed (3.1b)	No	No	No
Smoulders to extremities (3.1c)	No	No	No
Smoulders through thickness (3.1c)	No	No	No
Smoulders more than 1 hour (3.1d)	No	No	No
In final examination, presence of active smouldering (3.1e)	No	No	No
Flaming criteria			
Unsafe escalating combustion (3.2a)	No	No	No
Test assembly consumed (3.2b)	No	No	No
Flames to extremities (3.2c)	No	No	No
Flames through thickness (3.2c)	No	No	No
Flames longer than 120 s (3.2d)	No	No	No
Comments			
Flaming ceased	0 Seconds	0 Seconds	0 Seconds
Glowing ceased	-	-	-
Smoke ceased	13 Seconds	13 Seconds	13 Seconds
Result (Ignition / Non Ignition)	NI	NI	NI

"The above 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."

FLAMMABILITY TEST REPORT

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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.