

Report 396295/4

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|-----------------------|---|----------------------------|
| DATE RECEIVED | : | 30 AUGUST 2022 |
| DATE TESTED | : | 14 SEPTEMBER 2022 |
| QUALITY REFERENCE | : | SI 1314/ 199IG |
| REPUTED FIBRE CONTENT | : | 81% PVC, 195 PES |
| COLOUR / DESIGN | : | WHITE |
| FABRIC DESCRIPTION | : | COATED |
| END USE | : | UPHOLSTERY, LIGHT DOMESTIC |

REQUEST: BSEN1021-1: 2014 (smouldering cigarette)
BSEN1021-2: 2014 (match flame equivalent)

RESULT: The sample tested meets the flammability performance requirements of BS EN 1021-1:2014 and BS EN 1021-2:2014



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**BS EN 1021-1/2:2014 Furniture - Assessment of the ignitability of upholstered furniture –
Part 1 Ignition Source: Smouldering cigarette.
Part 2 Ignition Source: Match flame equivalent.**

Pre-treatment

The sample was stated by the client to have not been treated with a chemical FR treatment and therefore was tested in the 'as received' condition.

Conditioning

Immediately prior to testing the was subjected to 24 hours in specified conditions, having a temperature of (23± 2°C) and relative humidity of (50±5%).

Procedure

The specimens were mounted over fillings of non-flame-retardant polyurethane foam with a density of approximately 20-22 kg/m³.

Results

The following test results relate only to the ignitability of the combination 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.

| <u>Ignition Source</u> | <u>Ignitability Performance</u> |
|------------------------|---------------------------------|
| 0 | NI (Non-ignition) |
| 0 | NI (Non-ignition) |
| 0 | Not tested |
| 1 | NI (Non-ignition) |
| 1 | NI (Non-ignition) |
| 1 | NI (Non-ignition) |

| | Cigarette | | | Match-equivalent flame | | |
|---|-----------|-----|---|------------------------|----|----|
| | 1 | 2 | 3 | 1 | 2 | 3 |
| <u>Smouldering Criteria</u> (Yes/No) | | | | | | |
| Unsafe escalating combustion | No | No | / | No | No | No |
| Test assembly consumed | No | No | / | No | No | No |
| Smoulders to extremities | No | No | / | No | No | No |
| Smoulders through thickness | No | No | / | No | No | No |
| Smoulders more than 1 hour | No | No | / | No | No | No |
| More than 100mm from source | No | No | / | No | No | No |
| <u>Flaming Criteria</u> (Yes/No) | | | | | | |
| Duration of flames (s) | N/A | N/A | / | 2 | 2 | 2 |
| Unsafe escalating combustion | No | No | / | No | No | No |
| Test assembly consumed | No | No | / | No | No | No |
| Flames to extremities | No | No | / | No | No | No |
| Flames through thickness | No | No | / | No | No | No |

Comments

The sample tested meets the flammability performance requirements of BS EN 1021-1:2014 and BS EN 1021-2:2014

Decision rules

The decision rule applicable to statements of conformity relating to the test(s) carried out is simple acceptance based on the measured test results not falling within a range either side of a specified limit that is equal to the uncertainty of measurement for the parameter measured (based on 95% confidence levels). In all other regards, the decision rule is based on simple acceptance predicated upon the conditions of testing falling within the criteria for test set out in the test method with a conformance probability of 95%. The risk of false accept or false reject is therefore not greater than 2.5%.

Uncertainty of measurement: Timings ±0.4s
Dimensions ±0.5mm

