
FLAMMABILITY TEST CERTIFICATE – 76433 Amended

COMPANY DETAILS: SMD CONTRACTS
SMD GROUP LTD, UNIT F2, PITTMAN WAY, FULWOOD,
PRESTON, PR2 9ZD

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DATE RECEIVED: 25/07/2019
DATE TESTED: 31/07/2019
DATE ISSUED: 06/08/2019
PO NUMBER: NOT STATED

SAMPLE DESCRIPTION: SHETLAND
COLOUR: LINEN
COMPOSITION: 100% POLYESTER
QUALITY/ BATCH REF: 115552-3-1
SAMPLE END USE: CONTRACT MARKET
MANUFACTURER: NOT STATED
SUPPLIER/BUYER: NOT STATED

SPECIFICATION/REQUIREMENT:

BS 7176:2007+A1:2011 – Specification for the resistance to ignition of upholstered furniture for non-domestic seating by testing composites. (Medium Hazard)

TEST METHOD(S):

BS EN 1021-1: 2006 – Furniture – Assessment of the ignitability of upholstered furniture. Ignition source smouldering cigarette.

BS EN 1021-2: 2006 – Furniture – Assessment of the ignitability of upholstered furniture. Ignition source Match equivalent.

BS 5852:2006 – Methods of test for the assessment of the ignitability of upholstered seating by smouldering and flaming ignition sources.

PRE-TREATMENT:

Water Soak procedure in accordance with Annex D of BS EN 1021-1:2006 & Annex E of BS 5852:2006

CONDITIONING:

The sample was conditioned for 72 hrs in ambient conditions then for at least 24 hrs in a specified atmosphere at $23 \pm 2^{\circ}\text{C}$ and $50 \pm 5\% \text{ r h}$.

Authorised By:



Zeb Alam
Operations Director

Mark Jones
Quality Manager

Karen Brooks
Managing Director

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TEST RESULTS:

“The Following test results relate only to the ignitibility of the combination of the 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.”

| TEST CRITERIA – 1021-1 (CIGARETTE TEST) | INITIAL TEST | REPEAT TEST |
|---|--|--|
| FILLING MATERIAL USED: | CMHR 35 | CMHR 35 |
| Smouldering ceased | <60.0 | <60.0 |
| PROGRESSIVE SMOULDERING CRITERIA (3.1) | | |
| Unsafe escalating combustion (3.1a) | NO | NO |
| Smoulders to extremities (3.1b) | NO | NO |
| Smoulders through thickness (3.1c) | NO | NO |
| Smoulders for more than 1 hr (3.1d) | NO | NO |
| Presence of active smouldering on final examination? (3.1e) | NO | NO |
| Evidence of melting, charring, dripping? | Melting: <input checked="" type="checkbox"/> | Charring: <input checked="" type="checkbox"/> Dripping: <input type="checkbox"/> |
| FLAMING CRITERIA (3.2) | | |
| Cover Split? | NO | NO |
| Occurrence of flames? | NO | NO |
| TEST RESULT | PASS | PASS |

| TEST CRITERIA – 1021-2 (MATCH TEST) | 1 st Test | 2 nd Test | 3 rd Test |
|--|--|--|----------------------|
| FILLING MATERIAL USED: | CMHR 35 | CMHR 35 | CMHR 35 |
| Flaming ceased: (Min(s) Sec(s)) | 0.0 | 0.0 | 0.07 |
| PROGRESSIVE SMOULDERING CRITERIA (3.1) | | | |
| Unsafe escalating combustion (3.1a) | NO | NO | NO |
| Smoulders to extremities (3.1b) | NO | NO | NO |
| Smoulders through thickness (3.1c) | NO | NO | NO |
| Smoulders for more than 1 hr (3.1d) | NO | NO | NO |
| Evidence of melting, charring, dripping? | Melting: <input checked="" type="checkbox"/> | Charring: <input checked="" type="checkbox"/> Dripping: <input type="checkbox"/> | |
| FLAMING CRITERIA (3.2) | | | |
| Unsafe escalating combustion (3.2a) | NO | NO | NO |
| Test assembly consumed (3.2b) | NO | NO | NO |
| Flaming to extremities and thickness (3.2c) (3.2d) | NO | NO | NO |
| Flaming continued for more than 120 seconds | NO | NO | NO |
| Cover split? | NO | NO | NO |
| TEST RESULT | PASS | PASS | PASS |

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TEST RESULTS continued:

| TEST CRITERIA – BS 5852:2006 Source 5 | INITIAL TEST | REPEAT TEST |
|---|--------------|-------------|
| Flaming Ceased: | 04.17 | 04.04 |
| PROGRESSIVE SMOULDERING CRITERIA (4.1) | | |
| FILLING MATERIAL USED: | CMHR 35 | CMHR 35 |
| b) Detectable amounts of smoke, heat or glowing 60 mins after crib ignition? | NO | NO |
| c) Displays unsafe escalating combustion, requires to be forcibly extinguished? | NO | NO |
| d) Smouldering consumed the test specimen within the duration of the test? | NO | NO |
| e) Smoulder to the extremities i.e. upper or lower margins, either side or to its full thickness? | NO | NO |
| f) On final inspection, any evidence of charring more than 100 mm in any direction (apart from upwards) from the original nearest position? | NO | NO |
| FLAMING CRITERIA (4.2) | | |
| b) Flaming continued for more than 10 minutes after the ignition of the crib? | NO | NO |
| c) Displays unsafe escalating combustion, requires to be forcibly extinguished? | NO | NO |
| d) Flaming and/or smouldering consumed the test specimen within the duration of the test? | NO | NO |
| e) Flame front reaches the lower margin, either side or passes through the full thickness? | NO | NO |
| TEST RESULTS | PASS | PASS |

CONCLUSION:

The sample supplied **meets** the test criteria of BS 7176:2007 + A1:2011 (Medium Hazard)

END OF REPORT