

FLAMMABILITY TEST REPORT

Report No.: LEHTX00896863B
Retype

Date Received: 11/07/16

Date Tested: 19/07/16

1st Date Issued: 20/07/16
Retype Issued: 30/06/17Company Name & Address: ENGLISCH DEKOR
SCHEYDGASSE 29
AT-1210 WIEN

Contact Name: MANUELA SCHOPPER

Sample Details

Article Description: Carmen
Reference No.: Not stated
Order No.: Not stated
Style No.: Not stated
Batch No.: Not stated
Quality: Diva
Colour: Not stated
Supplier: Not stated
Intended Use: Upholstery
Quoted Fibre Composition: 100% PES FR
Retailer: Not stated
Buying Division: Not stated
Sample Description: Red coloured woven fabric

Test Method	Pre Treatment	Requirement	Result
BS EN 1021-1:2014 (Smouldering Cigarette)	Watersoak as Annex D of BS EN 1021-1:2014	As BS EN 1021-1:2006 (Smouldering Cigarette)	NI (PASS)
BS EN 1021-2:2014 (Match Flame Equivalent)	Watersoak as Annex D of BS EN 1021-1:2014	As BS EN 1021-2:2006 (Match Flame Equivalent)	NI (PASS)
BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	Watersoak as Annex E of BS 5852:2006	As BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5	NI (PASS)
The upholstery composite tested does not meet the performance requirements for resistance to ignition as detailed in the Medium Hazard (Cigarette, Match & Crib 5) category of Table 1 of BS 7176: 2007.			

STEVEN OWEN
(Chemical Technologist)ANDREW HALLETT
(Flammability Team Leader)CAROLE SPOWART
(Flammability Technician)SIMON CHEE
(Operations Manager)

FLAMMABILITY TEST REPORT

Test Specification

Test Method: BS EN 1021-1:2014 (Smouldering Cigarette)
BS EN 1021-2:2014 (Match Flame Equivalent)

Filling specification

Filling Type: Polyurethane foam
Supplier / Grade: Carpenter / RX36110 Combustion Modified
Size: 450 x 450 x 75mm (back) & 450 x 300 x 75mm (seat)
Density / Hardness: 34-36 kg/m³ / 105-115N

Pre-treatment / Durability procedure

None

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 between 10°C. and 30°C. and a relative humidity between 15% and 80%.

Test Results

BS EN 1021-1:2006 (Smouldering Cigarette). Test 1:	The cigarette burnt out within 24 minutes, there was no flaming or progressive smouldering. (Pass)
BS EN 1021-1:2006 (Smouldering Cigarette). Test 2:	The cigarette burnt out within 26 minutes, there was no flaming or progressive smouldering. (Pass)
BS EN 1021-2:2006 (Match Flame Equivalent).Test 1:	Flaming ceased with the removal of the burner, there was no progressive smouldering. (Pass)
BS EN 1021-2:2006 (Match Flame Equivalent).Test 2:	Flaming ceased with the removal of the burner, there was no progressive smouldering. (Pass)
BS EN 1021-2:2006 (Match Flame Equivalent).Test 3:	Flaming ceased with the removal of the burner, there was no progressive smouldering. (Pass)
<i>"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."</i>	

FLAMMABILITY TEST REPORT

Test Specification

Test Method: BS 5852:2006 Clause 11 (upholstery composite) Ignition source 5

Foam specificationSupplier / Grade: Carpenter / RX36110 (As requested by the customer)
Size: 450 x 450 x 75mm (back) & 450 x 300 x 75mm (seat)
Density / Hardness: 34-36kg/m³ /105-115N**Conditioning**

Prior to Testing: At least 72 hours in ambient indoor conditions, then 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*"The following test results relate only to the ignitability of the combination of upholstery composites (BS 5852: 2006, Clause 11) under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use";*

Test number / position	1		2	
Criterion of Ignition				
Smouldering Criteria				
Externally detectable amounts of smoke, heat or glowing 60 minutes 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 / Smouldering reached the extremities of the test specimen (Other than the top of the vertical part of 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	
Flaming reached the extremities of the test specimen (Other than the top of the vertical part of the test specimen) within the duration of the test	No		No	
Debris from the test specimen caused an isolated floor fire that continued to flame for more than 10 minutes after the ignition of the crib	No		No	
Final Examination				
Progressive smouldering was observed when the sample was dismantled	No		No	
Evidence of charring within the filling (other than discolouration) more than 100mm in any direction, apart from upwards, from the nearest part of the original position of the ignition source	No		No	
Time to extinction of flames after crib ignition	4 Minutes 02 Seconds		2 Minutes 31 Seconds	
Time to extinction of glowing after crib ignition	8 Minutes 24 Seconds		8 Minutes 16 Seconds	
Time to extinction of smoke after crib ignition	8 Minutes 41 Seconds		8 Minutes 28Seconds	
Maximum extent of damage to back (mm) Length / Width	400	146	400	135
Maximum extent of damage to base (mm) Length / Width	87	117	81	109
Test Result	NI/5 (PASS)		NI/5 (PASS)	
Ignitability performance index: “Clause 11 - NI/5”				

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