

FLAMMABILITY TEST REPORT

Report No.: LEHTX00443821 Date Received: 21/05/08 Date Tested: 27/05/08 Issue Date: 27/05/08

Company Name & Address: FOAMS 4 SPORTS LTD
UNIT 1
GROSVENOR MILL
GROSVENOR STREET
ASHTON UNDER LYNE
LANCASHIRE
OL7 0RF

Contact Name: MARK HART

Sample Details

Flammability Testing Plan: 004
Customers description: All Purpose Mat / Club Mat / Martial Arts Mat / Heavy duty Floor Mat
Construction: FR PVC Cover
Combustion Modified High Density Chipfoam 195-215 Kg/m³
FR Latex Fabric Base
Sample description: 4 blocks consisting of:
Outer cover fabric
Foam inner
Base material

Test Method	Pre Treatment	Flammability Performance Requirements	Result
BS 1892 – 3 : 2003 Annex B	None	High Hazard Classification as per Table 1 of BS 1892 – 3 : 2003	PASS



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FLAMMABILITY TEST REPORT

Test Specification

Test method BS 1892 – 3:2003 Annex B
Criterion of ignition: Source 0 (Calibrated Cigarette) & Source 5 (Pine wood Crib)
Position of ignition source: As per Figure 2, Position of ignition sources for L shaped test specimens (continued)

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 $20\pm 5^{\circ}\text{C}$ and a relative humidity of $50\pm 20\%$
At time of testing: Temperature between 15°C & 30°C . Relative humidity between 20% & 70%

FLAMMABILITY TEST REPORT

Test Results

"The following test results relate only to the ignitability of the combination of upholstery composites under the particular conditions of test; they are not intended as a means of assessing the fully potential fire hazard of the materials in use."

Source 0 : 'In Use' Side

	Initial Test	Repeat Test
Progressive smouldering ignition		
Escalating smouldering rendered the test unsafe to continue and required forcible extinction	No	No
Smouldering essentially consumed the test specimen within the duration of the test	No	No
Externally detectable amounts of smoke, heat or glowing 60 minutes after placement of the cigarette	No	No
Flaming ignition		
Flaming initiated by the smouldering cigarette was observed	No	No
Final examination		
Progressive smouldering was observed when the sample was dismantled	No	No
Evidence of smouldering other than discolouration more than 50mm in any horizontal direction from the nearest part of the original position of the cigarette	No	No
Time to extinction of smoke after placement of the cigarette	The cigarette failed to burn its complete length	The cigarette failed to burn its complete length
Test Result	Pass	Pass

Source 0 : Reverse Side

	Initial Test	Repeat Test
Progressive smouldering ignition		
Escalating smouldering rendered the test unsafe to continue and required forcible extinction	No	No
Smouldering essentially consumed the test specimen within the duration of the test	No	No
Externally detectable amounts of smoke, heat or glowing 60 minutes after placement of the cigarette	No	No
Flaming ignition		
Flaming initiated by the smouldering cigarette was observed	No	No
Final examination		
Progressive smouldering was observed when the sample was dismantled	No	No
Evidence of smouldering other than discolouration more than 50mm in any horizontal direction from the nearest part of the original position of the cigarette	No	No
Time to extinction of smoke after placement of the cigarette	The cigarette failed to burn its complete length	The cigarette failed to burn its complete length
Test Result	Pass	Pass

FLAMMABILITY TEST REPORT

Test Results (Continued)

Source 5 : 'In Use' Side

Pass / Fail Criteria	Initial test	Repeat test
Progressive smouldering failure		
Externally detectable amounts of smoke, heat or glowing 60 min 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	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 (Lower margin, either side or passed through its full thickness) within the duration of the test	No	No
Final examination		
Progressive smouldering was observed when the sample was dismantled	No	No
Comments		
Time to extinction of flames after crib ignition	4 minutes 11 seconds	4 minutes 16 seconds
Time to extinction of glowing after crib ignition	8 minutes 10 seconds	8 minutes 28 seconds
Time to extinction of smoke after crib ignition	8 minutes 27 seconds	8 minutes 41 seconds
Maximum extent of damage to back (mm) Length / Width	375 105	365 70
Maximum extent of damage to base (mm) Length / Width	64 106	61 91
Test Result	Pass	Pass

Source 5 : Reverse Side

Pass / Fail Criteria	Initial test	Repeat test
Progressive smouldering failure		
Externally detectable amounts of smoke, heat or glowing 60 min 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	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 (Lower margin, either side or passed through its full thickness) within the duration of the test	No	No
Final examination		
Progressive smouldering was observed when the sample was dismantled	No	No
Comments		
Time to extinction of flames after crib ignition	3 minutes 51 seconds	4 minutes 13 seconds
Time to extinction of glowing after crib ignition	8 minutes 26 seconds	8 minutes 13 seconds
Time to extinction of smoke after crib ignition	8 minutes 41 seconds	8 minutes 50 seconds
Maximum extent of damage to back (mm) Length / Width	375 64	365 70
Maximum extent of damage to base (mm) Length / Width	62 70	61 91
Test Result	Pass	Pass