

FLAMMABILITY TEST REPORT

Report No.: LEHTX00647211 **Date Received:** 07/09/12 **Date Tested:** 13/09/12 **Date Issued:** 13/09/12

Company Name & Address: CARPENTER APS
MICHAEL DREWSSENSVEJ 9-11
8270 HOJBJERG
DENMARK

Contact Name: MARIANNE LYNGHOLM NIELSEN

Sample Details

Sample ID: RG55280H90 – run 1739
Quality: RG55280H90
Batch No: 1739
Production Date: 03-05-2012
Cutting Date: Not stated
Supplier: Carpenter ApS - DK
Sample Description: White coloured polyurethane foam

Test Method	Pre Treatment	Flammability Performance Requirements	Result
BS 5852: Part 2: 1982, Ignition source 5 (Crib 5).	None	As Schedule 1 Part 1 (Ignition test for polyurethane foam in slab or cushion form) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended).	PASS



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~~STEVEN OWEN~~
(~~Chemical Technologist~~)

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ANDREW HALLETT
(Flammability Technician)

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~~DEAN MCCABE~~
(~~Flammability Technician~~)

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SIMON CHEE
(Operations Manager)

FLAMMABILITY TEST REPORT

Filling Specification

Filling type: Polyurethane foam
Density / Hardness: Not stated / Not stated
Cover fabric: Standard test fabric as detailed in Schedule 1 Part 1 of The Furniture (Fire) (Safety) Regulations 1988 (as amended).

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±5°C and a relative humidity of 50±20%
At time of testing: Temperature between 15°C & 30°C. Relative humidity between 20% & 70%

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."

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
Final examination		
Progressive smouldering was observed when the sample was dismantled	No	No
Comments		
Time to extinction of flames after crib ignition	3 Minutes 11 Seconds	2 Minutes 46 Seconds
Time to extinction of glowing after crib ignition	7 Minutes 31 Seconds	5 Minutes 27 Seconds
Time to extinction of smoke after crib ignition	10 Minutes 08 Seconds	8 Minutes 52 Seconds
Maximum extent of damage to back (mm) Length / Width	400 112	400 145
Maximum extent of damage to base (mm) Length / Width	120 98	116 138
The resultant mass loss exceeded 60g	No (27g)	No (34g)
Test Result	Pass	Pass

Conclusions

The sample tested meets the requirements of Schedule 1 Part 1 (Ignition test for polyurethane foam in slab or cushion form) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended). **PASS.**