

## FLAMMABILITY TEST REPORT

Report No.: LEI18050210A      Date Received: 01/05/18      Date Tested: 16/05/18      Date Issued: 16/05/18

**Company Name & Address:** CARPENTER LTD.  
DINTING LODGE IND. EST.  
GLOSSOP  
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**Contact Name:** KATHERINE WORSLEY

**Sample Details**

Order No.: 4570810919  
Description: RG50230- Batch 5627  
Sample Description: 4 Blocks of polyurethane foam

Test Method	Pre Treatment	Flammability Performance Requirements	Result
BS 5852: Part 2: 1982, Ignition source 5 (Crib 5) as modified by Schedule 1 Part 1 of the Furniture & Furnishings (Fire) (Safety) Regulations 1988 (As Amended).	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).	<b>Complies</b>



ANDREW HALLETT  
(Flammability Team Leader)

CAROLE SPOWART  
(Flammability Administrator)

GREGORY JAMES  
(Flammability Technician)

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### 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
<b>Progressive smouldering failure</b>		
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
<b>Flaming failure</b>		
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
<b>Final examination</b>		
Progressive smouldering was observed when the sample was dismantled	No	No
<b>Comments</b>		
Time to extinction of flames after crib ignition	3 Minutes 45 Seconds	4 Minute 16 Seconds
Time to extinction of glowing after crib ignition	Due to the position of the crib within the test specimen it was not possible to see when glowing ceased	Due to the position of the crib within the test specimen it was not possible to see when glowing ceased
Time to extinction of smoke after crib ignition	Due to the amount of smoke in the test enclosure it was not possible to see when smoking ceased	Due to the amount of smoke in the test enclosure it was not possible to see when smoking ceased
Maximum extent of damage to back (mm) Length / Width	400   91	400   124
Maximum extent of damage to base (mm) Length / Width	102   121	110   153
The resultant mass loss exceeded 60g	No (24g)	No (29g)
<b>Test Result</b>	<b>PASS</b>	<b>PASS</b>

### 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**.

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