



# Confidential Report

Our Ref: 23/63099A/04/25





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Date: 06 May 2025

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**Client:**

**Pugi RG SRL**

Via Garibaldi, 33B  
51037 Montale Pistoia (PT)  
Italy

**Job Title:**

Fire Test on One Fabric Sample

**Clients Order Ref:**

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**Date of Receipt:**

22 April 2025

**Date Test Started:**

06 May 2025

**Description of Sample:**

One sample of fabric, which was referenced by the client as;  
Combi, 100% polyester

**Work Requested:**

We were asked to make the following fire test:

BS 5852:Clause 11:2006 (2011) – Source 5 (Crib 5)

- \* subcontracted test, UKAS accredited
- \*\* subcontracted test, EN ISO/IEC 17025 accredited
- \*\*\* not UKAS accredited



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Note: This report relates only to the items tested.

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## Testing BS 5852:Clause 11:2006 (2011) Assessment of the ignitability of upholstered seating by Smouldering and Flaming sources – Source 5 (Crib 5)

### Pre-Treatment

The material received no pre-treatment as the fabric stated to be inherently flame retardant.

### Conditioning

The sample was conditioned and tested in the environments specified in Clause 10 of BS 5852:2006 (2011).

### Testing

The material was tested according to BS 5852:2006 (2011) Methods of test for the ignitability of upholstered composites for seating by flaming sources using Source 5 (Crib 5).

The sample was tested at 18°C and 41% r.h.

### Foam Used

The sample was tested over combustion modified polyurethane foam with a density of approximately 49-51kg/m<sup>3</sup>.



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## Results

The following test results relate only to the ignitability of the combination of upholstery composites 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.

	Specimen 1	Specimen 2
Time of Ignition (mins/secs)	0.12	0.14
Time of Flame Extinction (mins/secs)	4.42	5.08
Time of Smoke Extinction (mins/secs)	8.17	7.43
Time of cover split (mins/secs)	0.15	0.17
<b>Extent of damage (mm) - Seat</b>		
Width	166	132
Length	140	114
Depth	69	69
<b>Extent of damage (mm) - Back</b>		
Width	114	86
Depth	50	41
Melting	Yes	Yes
Dripping	No	No
Charring	Yes	Yes
Comments and Observations		
<b>Specimen Result (Ignition or Non-ignition)</b>	<b>Non-Ignition</b>	<b>Non-Ignition</b>

## Acronyms

ME – Manually extinguished  
 DNO – Did not observe time of event

EC – Escalating combustion  
 BTT – Burnt through thickness of foam

DNS – Material did not split  
 DNI – Did not ignite





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## Comment

The results indicate 'Non-Ignition' of the materials and the test is designated NI/5 (ie. Pass).

Where required to make a judgement to any pass/fail criteria an estimation of uncertainty of measurement has been taken into account. Under our Policy we have used a non-binary decision rule.

See our decision rules Policy (<https://www.bttg.co.uk/about-us/decision-rules-policy/>) for further information.

## Uncertainty Budget

Timings:  $\pm 2$  seconds.  
Measurements:  $\pm 2$ mm.  
Weight:  $\pm 2$ g.

Reported by:  R Walls, Laboratory Technician

Countersigned by:  B Bland, Technical Customer Service Officer

Enquiries concerning this report should be addressed to Customer Services.



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