

FLAMMABILITY TEST REPORT

Report No.: LEI21111387A **Date Received:** 12/11/21 **Date Tested:** 18/11/21 **Date Issued:** 18/11/21

Company Name & Address: PHOENIX FIBRES LTD
BECKS MILL
BECKS ROAD
KEIGHLEY
WEST YORKSHIRE
BD21 1SD

Contact Name: MANDY DAVIES

Sample Details

Order No.: Not stated
Description: Recycled Polyester Filling
Ref/ Style No.: Not stated
Colour: White
Quality: Recycled
Supplier: Phoenix Fibres Ltd
Batch No.: Not stated
End Use: Not stated
No. Of Samples: 1
Quoted Fibre Composition: Not stated
Retailer: Not stated
Sample Description: White coloured loose fibre

Test Method	Pre Treatment	Flammability Performance Requirement	Result
BS 5852: Part 2: 1982 (Ignition source 2) as modified by Schedule 2 Part 1 of the Furniture & Furnishings (Fire) (Safety) Regulations 1988 (As Amended).	None	As Schedule 2 Part 1 (non-foam filling materials tested singly) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended).	Complies



.....
STEVEN OWEN
(Technical & Operational
Excellence Manager)

.....
ANDREW HALLETT
(Flammability Team Leader)

.....
CAROLE SPOWART
(Flammability
Administrator)

.....
GREGORY JAMES
(Flammability Technician)

Report No.: LEI21111387A Page 1 of 3

FLAMMABILITY TEST REPORT

Test Specification

Test Method: BS 5852: Part 2: 1982 as modified by Schedule 2 Part 1 (non-foam filling materials tested singly) of The Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended) and using the cover fabric detailed below.

Ignition Source: Source 2: Butane Gas flowing at 160 ± 5 ml/min @ 25°C.

Flame Application Time: 40±1 seconds

Uncertainty of Measurement

The uncertainty of measurement has been estimated to be 5.99%.

Filling Specification

Filling Type: Loose fibre

Packing Density: Packed at the approximate density of 65kg/m³ (At the request of the customer)

Supplier / Grade: 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 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."

Pass / Fail Criteria	Initial test	Repeat test
Progressive smouldering failure		
Externally detectable amounts of smoke, heat or glowing 30 min after the removal of the burner tube	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 120 seconds after removal of the burner tube	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		
Internal progressive smouldering was observed when the test specimen was dismantled	No	No
Comments		
Time to extinction of flames after removal of the burner	1 Minute 8 Seconds	25 Seconds
Time to extinction of glowing after removal of the burner	-	-
Time to extinction of smoke after removal of the burner	1 Minute 15 Seconds	39 Seconds
Extent of damage to seat back length / width (mm)	160 70	240 55
Extent of damage to seat base length / width (mm)	45 35	50 50
Test Result	PASS	PASS

Conclusions

When packed at the approximate density of 65kg/m³ (At the request of the customer) the filling material meets the requirements of Schedule 2 Part 1 (non-foam filling materials tested singly) of the Furniture and Furnishings (fire) (safety) Regulations 1988 (as amended). **PASS.**

FLAMMABILITY TEST REPORT

The client acknowledges and agrees that any services provided and/or reports produced by Intertek are done so within the limits of the scope of work agreed pursuant to the client's specific instructions. This report relates specifically to the sample(s) tested that were drawn and delivered by the client or their nominated third party. Intertek does not make any representation or warranty for any bulk samples or certify the bulk samples received from the client. Furthermore, Intertek does not provide a warranty or verification on the sample(s) representing any specific goods, material and/or shipment and only relate to the sample(s) as received and tested. Intertek have aimed to conduct the review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. In no event, will the contents of any reports or any extracts, excerpts or parts of any reports be distributed or published without the prior written consent of Intertek in each instance. Only the client is authorized to permit copying or distribution of this report (and then only in its entirety). Any such third parties to whom this report may be circulated rely on the content of the report solely at their own risk.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of $k = 2$, providing a level of confidence of approximately 95 %. Unless otherwise specified all compliance and pass/fail statements are binary simple acceptance based on the tolerance interval and, with the exception of graded methods, a test uncertainty ratio greater (TUR) than 4:1. For graded methods the TUR will drop to as low as 0.5:1 when the tolerance limits are within a grade division of the upper scale limit. The Uncertainty budgets are stated for each Test method, these are for reference, and should be considered when results are on or close to Specification Limits / Requirements and in such cases it should be noted that the risk of false acceptance or rejection may be as high as 50%, for further information please refer to ILAC G8.